

Jobs at F5 Networks

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More details:

1. Senior Software Engineer Frontend API security team (Angular/Typescript)

Position Summary

We are looking for a Senior Software Engineer to join our creative team of UI designers and developers. You will work with a team of experts in user experience, design, web application backend and frontend development.

As a Senior Software Engineer, you will implement easy-to-use and scalable web applications offering creative solutions to configure, monitor, and visualize new generation edge computing services. You will vet various open source and close source technologies, components, libraries, tools, etc. and help build a scalable, highly available, and easily manageable system

Responsibilities:

- Architect and design intelligent web applications that serves the diverse requirement of edge computing solutions
- Code while considering performance, scalability, maintainability, and flexibility
- Innovate on features to deliver simple and intuitive usage for provisioning, monitoring, information visualization, debugging, and big-data analysis
- Collaborate with architects, UX designers, and product managers to build a delightful user experience
- Chip in to design end-to-end system architecture, working with different technical teams
- Learn and apply new technologies, best design practices and usability patterns
- Share the knowledge with code reviews and suggestions to ensure quality of product according to standards, processes and procedures.

Knowledge, Skills and Abilities

- At least 5 years of experience with JavaScript
- At least 2 years of experience with Typescript and Angular
- Strong knowledge of HTML5, CSS3, and SASS/SCSS
- Deep understanding of e2e testing and test automation of web applications

Qualifications

- At least 7 years of experience and BS/BA or MS in Computer Science/related field or equivalent work experience.

2. Test Automation Engineer

Position Summary:

You will be responsible for the design and execution of test plans and test cases; implementation and maintenance of automated testing of our products! This includes creating test plans and automation for large projects based on product documentation and functional specifications; creating, documenting, and using software test tools, test automation, and test cases; executing tests; documenting test results; and validating product defects.

Primary Responsibilities:

- Understand product design and functionality through hands on experience
- Implement and maintain automated tests. Execute, analyze and debug results of product test automation.
- Improve and build automation infrastructure.
- Proactively and openly communicate status, plan-of-action, and resolution of issues.
- Work effectively to deliver on planned and committed schedules, through holistic ownership over assigned product areas and projects.
- Openly engage on challenges with a growth mindset

Knowledge, Skills, and Abilities

- Good understanding of application layer protocols (e.g. HTTP, HTTPS, HTTP2)
- Python programming skills
- Source code version control tool such as Git
- CI/CD and Agile software development experience
- Knowledge and experience in RESTApi, gRPC and JSON technologies
- Practical experience with container technologies (Docker, Kubernetes)
- Hands-on experience with Linux operating system, including scripting in bash
- Experience with QA methodologies and software testing cycles
- Pytest and Robot framework experience is a plus
- Experience with traffic analysis tools (tcpdump, Wireshark) is a plus
- Interest in new technologies and problems solving
- Able to collaborate and thrive in a fast-paced high-performance environment
- Attention to details and punctuality
- Excellent interpersonal and communication skills
- Ability to learn quickly - we value flexibility.
- May require travel via automobile or airplane, approximately 5% of the time spent traveling.

Qualifications:

- A degree in Computer Science or a closely related field or equivalent experience
- 2 years of automated test development or equivalent experience

3. Software Engineer III - NGINX App Protect (C/GO/Python)

Position Summary

Design, develop and maintain high-quality code for complex product components. Technically lead assigned projects independently and may serve as technical professional for issues associated with specific projects. Someone who can work with both dynamic languages and compiled ones. A programmer who is passionate about refactoring a product and writing it from scratch.

Primary Responsibilities

- Design, develop, build, and maintain security features for web applications on cloud environments
- Assume technical leadership role within project team
- Independently determine and develops approaches to solutions for assigned projects by identifying, resolving and mitigating risk and presenting to the relevant partners.
- Write code with high performance and scalability, re-evaluate the design and implementation of current source code
- Participate in the architecture of a forming product, and prototype new technologies
- Maintain legacy code while building the next generation product.
- Provide technical mentorship of lower level engineers

Knowledge, Skills and Abilities:

- Strong programming skills in at least two languages: C / C++/ Go / Python programming skills required
- Experience with various Linux Distributions and packaging (rpm/deb/apk) - huge advantage
- Ability to dive into large sophisticated pre-existing code base
- Motivation and self-learning. A personal dedication to continuous learning, self-development, team work, and positive can-do approach.
- Experience maintaining build systems with Makefiles, bash, GitLab pipelines, etc.
- Experience with Docker containerized systems and Kubernetes orchestration systems - advantage

Qualifications:

- At least 5 years' experience and/or BS/BA or MS in Computer Science/related field or equivalent work experience.
- Shown experience with HTTP, web servers, NGINX a plus - advantage
- Experience with Docker, and with k8s is an advantage

4. [Software Engineer II – Volterra](#)

Position Summary

We are looking for a Software Engineer with a passion for technology. You will join our team in F5's / Volterra mission to deliver application services to the cloud and edge. Our team provides a robust configuration service for APIs exposed from our Volterra platform in a secure and scalable manner. Help advance a platform that is used across our ecosystem supporting all our services.

Primary Responsibilities

- Implement all phases of the development cycle for a software product from understanding requirements, going through design, development and deployment phases
- Work with a geographically distributed team
- Engage with Product Management, architects, and other technical peers to ensure we are delivering the right things.
- Design and develop platform capabilities within distributed and cloud architectures
- Take ownership and come with a desire to take action!

Knowledge, Skills, and Abilities

- Experience in designing and implementing solutions for sophisticated large-scale problems for distributed systems in SaaS environment
- Extensive hands-on experience in multiple computer programming languages such as Golang, Java, C/C++, Python
- Experience with Object Modeling and GRPC/Protobuf, REST microservices, and code generation
- Self-motivated and willing to delve into new areas and take new challenges in a proactive manner

- Good understanding and experience with synchronization concepts
- Solid understanding of virtualization technologies such as KVM or Docker
- Solid understanding of public cloud technologies and associated orchestration technologies
- Experience delivering software with agile and lean software development
- Be an excellent communicator

Qualifications

- 2+ years' professional development experience
- BS/BA or MS in Computer Science/related field or equivalent work experience.

5. Software Engineer II - SDC (Java / C++ / Python)

Position Summary

You will be working on a variety of technical problems of moderate scope & complexity. Designs, codes, tests under general supervision. You will Collaborate with peers under the direction of technical leads on assigned project teams.

Primary Responsibilities

- Design and implement applications and APIs
- Collaborate with the development, business and UX team
- Research, investigate and define new areas of technology to improve the experience we bring to our users
- Learn quickly in a hands-on environment and support the growth of your peers

Knowledge, Skills, and Abilities

- An ability to learn and be an owner
- Proven skill in written and verbal communication
- A strong sense of ownership over the features you deliver
- Ability to collaborate and thrive in a fast-paced high-performance environment
- Good oral and interpersonal skills as necessary to work with peers, other teams and their management. Work with cross-functional teams to ensure quality.
- A spirit of teamwork, collaboration, and open communication
- Proven experience in Java or c++ development.
- working experience with scripting such as Python must
- Experience with server configuration tools (SALT, Puppet, Ansible). SALT preferred.
- Experience with Linux server tools like Monit
- Experience with Maven, Jenkins
- Experience with network protocols TCP/IP, UDP (advantage SCTP)

Nice to have:

- Diameter protocols
- RedHaut Linux OS internal
- One of the following: JavaScript, Node, Go
- Automation tooling and process knowledge.
- Scrum, Agile methodologies

Qualifications

- 2 years experience and relevant academic studies or equivalent work experience.
- 2 years crafting, implementing large scale distributed systems and/or Cloud/Web services platforms

6. Senior Security Researcher (WAF)

Position Summary:

Being a part of a highly experienced Security Research team, while specializing in web vulnerabilities analysis, threat intelligence and Honeynet projects. The team is handling the research of vulnerabilities and malware, evolving threats analysis, development and updates of attack signatures and product-hacking.

Responsibilities:

- Research of web frameworks and servers to understand the emerging threats.
- Analysis of newly published web application vulnerabilities and their reproduction.
- Specializing in WAF evasions and trying to bypass our technology before the hackers do.
- Innovating by building proof of concept solutions for sophisticated threats, as well as ongoing development of attack signatures – working together with the development teams to improve the WAF product based on the gathered research.
- Mining WebSec related intelligence from blogs, forums, conferences and academy papers.
- Developing attack-analysis tools and research infrastructure.
- Publishing blogs and reports.

Qualifications:

- 2 years experience or more in web exploitation or real web attacks analysis.
- Strong understanding of internals of general networking, HTTP protocol, web servers and web applications – a must.
- Experience in monitoring web vulnerabilities as they come out.
- Experience in developing research infrastructure and tools in Python.
- Low-level understanding of security principles, theories and known attack vectors.
- Advantage: Hands-on experience in attack signatures crafting (e.g. SNORT).
- Experience in binary malware and analysis of malicious scripts - Advantage.
- Experience in web development (front/back end) - Advantage.

7. Senior ASIC Engineer

Position Summary

The team is Responsible for assisting in ASIC/FPGA architecture and leading in ASIC/FPGA verification, logic design, system simulation, and lab validation of designs. Designs are built from high level specifications that may or may not include complete details. Designs are verified using UVM framework, through setting up a test environment, developing and debugging test cases and enhancing code coverage to further improve design robustness and quality.

This position determines methods and procedures on new assignments. It can require taking mentorship over other personnel. This position works on complex issues where analysis of situations or data requires an in-depth evaluation of variable factors.

Primary Responsibilities

- Leads in technical design projects for new and existing products
- Develop complex verification environments in UVM
- Performs HDL code development, sophisticated logic design, partitioning, RTL code development
- May provide technical mentorship to junior engineers
- Provides technical solutions to detail certain aspects of product design and ensures that resulting design specification fits into technical architectural framework.

- Responsible for upholding F5's Business Code of Ethics and for promptly reporting violations of the Code or other company policies.
- Performs other related duties as assigned.

Knowledge, Skills and Abilities

- Ability to use professional concepts
- Must be able to apply company policies and procedures with professional concepts to resolve complex issues in creative and effective ways
- Strong knowledge of industry practices required
- Strong knowledge in ASIC/FPGA development required
- Excellent verbal and written communication skills required
- Duties are performed in a normal office environment while sitting at a desk or computer table.
- Duties require the ability to utilize a computer, communicate over the telephone, and read printed material.
- Duties may require being on call periodically or working outside normal working hours (evenings and weekends). Duties may require the ability to travel via automobile or airplane, approximately 5% of the time spent traveling.

Qualifications

- BS in Electrical Engineering, Computer Engineering, or related technical field
- 5-8 years related work experience

8. Senior Software Engineer API security team (Golang)

Position Summary

We are looking for a Senior Software Engineer with a passion for delivering software as a service in the cloud. Are you a master of scalable microservices and passionate about delivering a phenomenal API's? Deliver F5's capabilities directly to our customers by owning and delivering terrific customer experiences.

We are building a new business and looking for engineers that are willing to face a broad variety of challenges. Chart your own path and help the team succeed! This is a growth position. You should be capable and willing to lead and learn across all aspects of implementing and operating SaaS, including API and automation functions.

Primary Responsibilities

- Design and implement high performance microservices
- Collaborate with the partners to understand the customer needs
- Research, investigate and define new areas of technology to enhance existing products or new product directions
- Drive software designs
- Learn quickly in a hands-on environment
- Coach and mentor other team members
- Champion growth, agile thinking, and team learning
- Lead in an agile environment

Knowledge, Skills and Abilities

- Hands-on experience and proficiency in Golang
- Experience with Python (in addition to Golang) is considered as an advantage
- Excellent analytic / trouble-shooting and debugging skills
- Proven skill in written and verbal communications
- A strong sense of ownership over the features you deliver
- Source control and other teamwork tools

- Microservices and cloud development concepts
- APIs and understanding of client/server communication
- Other relevant cloud technologies including Kubernetes, Docker, CI/CD, Git
- Agile and lean software development
- Fundamentals of delivering software with built-in quality using modern quality techniques

Qualifications

- 8+ years experience and BS/BA or MS in Computer Science/related field or equivalent work experience.

9. Sr Software Engineer - SDC (C++/Java/Python/GO)

Position Summary

Design, develop and maintain high-quality code for complex product components. Technically lead assigned projects independently and may serve as technical professional for issues associated with specific projects. Someone who can work with both dynamic languages and compiled ones. A programmer who is passionate about using Agile development while refactoring a product and writing it from scratch.

Primary Responsibilities

- Design, develop, build, and maintain security features for web applications on cloud environments
- Assume technical leadership role within project team
- Independently determine and develops approaches to solutions for assigned projects by identifying, resolving, and mitigating risk and presenting to the relevant partners.
- Write code with high performance and scalability, re-evaluate the design and implementation of current source code
- Participate in the architecture of a forming product, and prototype new technologies
- Maintain legacy code while building the next generation product.
- Provide technical mentorship of lower-level engineers

Knowledge, Skills and Abilities:

- Strong programming skills in at least two languages: C / C++/ Go / Python / Java programming skills required
- Experience with various Linux Distributions and packaging (rpm/deb/apk) - huge advantage
- Ability to dive into large sophisticated pre-existing code base
- Motivation and self-learning. A personal dedication to continuous learning, self-development, team work, and positive can-do approach.
- Experience maintaining build systems with Makefiles, bash, GitLab pipelines, etc.
- Experience with Docker containerized systems and Kubernetes orchestration systems -- advantage

Qualifications:

- At least 8 years' experience and BS/BA or MS in Computer Science/related field or equivalent work experience.
- Shown experience with HTTP, web servers - advantage
- Experience with Docker, and with k8s is an advantage

10. Sr User Experience Designer

As a Sr. User Experience (UX) Designer, you will discover, learn and understand the needs of our users and envision how users should experience our products in a way that feels inspiring and

thoughtful. You will collaborate with engineers, sales teams, and product managers to bring that vision to life.

Applicants must include a portfolio when applying.

Your Day-to-Day

- Work with product management, software engineers, and customers to translate business requirements and user needs into user interface designs.
- Build task flow mockups and prototypes integrating feedback from product teams and end-users. Develop detailed interaction and visual design guidelines. Also, Contribute to setting the long-term vision for our products and their user experience.
- Be an authority, mentor, and influencer on the UX team by owning responsibility for designing entire feature sets and performing heuristic evaluations and usability studies.

The Job Description is intended to be a general representation of the responsibilities and requirements of the job. However, the description may not be all-inclusive, and duties and conditions are subject to change.

What You Will Bring to the Team

- Strong conceptual skills and proven ability to rapidly prototype and design to communicate ideas.
- Act as a leader in communicating conceptual ideas and design rationale, all within a user-centered design process.
- Professional knowledge of standard design tools like Illustrator or Axure and prototyping tools like Protoshare.
- Experience working in an Agile development environment is required, and you should have extensive experience working closely with development teams on implementation.
- Familiarity with state-of-the-art human interface design guidelines (Apple, Google Material Design etc.) and research in the field of human/computer interaction. You should understand user-centered design principles and design patterns.
- Proven track record of applying user-centered design methodologies to product development and releasing/shipping sophisticated web or desktop applications.
- Strong communication, documentation, and interpersonal skills working in a versatile and collaborative environment.
- Understanding networking and application security is an advantage.

What You Will Need to Have

- Bachelor's degree in one or more of these fields: Interaction Design, Industrial Design, Graphic Design, or other related fields.
- 6+ years of professional experience UX experience
- 4+ years of complex application design preferred

11. Product Manager – Security

Primary Responsibilities

- Participate in the overall product strategy as well as assist in the creation of product and solution level materials focusing on sales enablement and competitive advantages
- Support product and portfolio marketing teams' go-to-market initiatives
- Collaborate on strategic opportunities and deals with Product Management, Product Marketing, Global Architects and F5 Field
- Embrace working independently on technical issues with minimal need for supervision or assistance
- Fully own assigned projects throughout the project lifecycle
- Partner closely with other team members and multi-functional teams to drive positive business outcomes

- Perform technical research and analyses of competitors products and architectures in order to improve F5 products and guide sales teams
- Contributing authority on competitors and their products

Knowledge, Skills, and Abilities

- Great interpersonal and strong presentation abilities required – both oral and written, with the ability to articulate and educate others about complex and new technology.
- Ability to craft simple PowerPoint presentations based on complex technical data
- Ability to communicate complex technology to simple and clear message
- Understanding of underlying web technologies including HTTP, HTML and JavaScript
- Solid understanding of Kubernetes, containers, microservices and related environments, and cloud native ecosystem with DevOps toolsets
- Experience with some of the areas like Scripting (Bash, Python), Ansible playbooks.
- Familiarity with SSL/TLS basics, CI/CD pipeline, GitLab, and Terraform
- Superb communication and presentation skills
- Ability to learn quickly new technologies
- Ability to work flexible hours based on dynamic, business objective-driven initiatives and projects
- Have fun solving hard problems!

Qualifications

- BA/BS Computer Science Degree with 8 years experience; or equivalent education and work experience.
- 3+ years relevant work experience required: Preferably in engineering, IT, technical sales, or consulting related to network products.
- Technical sales experience preferred
- Competitive Intelligence experience preferred

12. Security Engineer (Penetration Testing)

Position Summary:

Being a part of a highly experienced Security Research Team, while specializing in F5 products security assessment. In this role, you have the opportunity to work closely with the Platform Security team which is defining the security requirements for all F5 products and their vulnerabilities assessment.

Responsibilities:

- Hands-on pen testing of F5 products.
- Perform code and configuration security reviews in critical parts of the products.
- Participating in threat modeling of new product features.
- Building custom tools to assist security assessment.
- Presenting findings and work closely with architectural and development teams to ensure products developed in line with our security standards.
- Assisting and mentoring with internal secure development education and F5's "Security Ninjas" program.

Qualifications:

- At least 3 years expertise in hands-on pen testing and security code review.
- Proficient in C, C++, JAVA code analysis (and Go, NodeJS – Advantage).
- Experience with proxy tools (Burpsuite/Fiddler).
- Background in Linux, networking and protocols.
- Experience in developing security tools in Python.

- Understanding of security principles, theories and known attacks.
- Experience with assessment of containerized environments (Docker, Kubernetes) - Advantage.
- Experience with static code analysis tools and fuzzing tools - Advantage.
- Experience with traffic processing products assessment (Router, Load Balancer, DNS, FW, WAF)- Advantage.
- Experience with mobile application pen testing- Advantage.