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. 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.

5. DevOps Engineer - Web Application Firewall

Position Summary
We are looking for a DevOps professional to accelerate product development, drive process automation, and champion efficiency improvements in these environments. We are passionate about using Agile development and DevOps principles to enable modern, standard methodologies for delivering solutions.

Primary Responsibilities
- Work with multiple teams, and lead the CI/CD cycle by coming up with ideas, designing, implementing, and maintain solutions used in product development and testing
- Build and maintain CI/CD pipelines to perform
- Prototyping for the new technologies

- Ensure DevOps infrastructure and services maintain the required level of availability, reliability, scalability, and performance

Knowledge, Skills and Abilities:
- Experience with Docker containerized systems and Kubernetes orchestration systems
- Experience with deploying infrastructure and services in public and private cloud environments such as AWS, Azure, Google Cloud, RedHat OpenStack - advantage
- Experience writing shell scripts, Makefiles, and scripting/programming languages such as Python or Bash.
- Linux Specialist - Systems, Configuration, Development. Experience with various Linux Distributions and packaging (rpm/deb/apk)
- Experience in teamwork in Agile and DevOps work environments
- Experience with CI/CD tools, such as GitLab, Jenkins, JFrog Artifactory
- Experience building development CI/CD infrastructure for dozens of developers and multiple projects - advantage

Qualifications:
- At least 3 years of related experience

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. Compiler Software Engineer - Detection Engine

Position Summary
We are looking for a Software Engineer with a passion for compilers and programming languages. You'll have the opportunity to work with an outstanding team of programming language professionals, applying language design to interesting challenges in security.

Primary Responsibilities
Maintain, extend and revise existing DSL implementation on JVM; Investigate performance improvements, including alternate implementations using various potential technologies (e.g. Graal/Truffle, Rust).

Knowledge, Skills and Abilities
Experience in programming language design and implementation essential. Graduate level training in programming languages and/or compilers highly desirable.
Familiarity with any or all of the following would be very helpful:
- Functional programming
- Array programming languages
- Dataflow
- Live programming
- Notebooks and Visualization

Qualifications:
- At least 3 years of related experience