

<b>Title:</b>	Sr. Software Development Engineer (SDE2)
<b>Position Status:</b>	Full Time
<b>Direct Supervisor:</b>	Technical Product Manager
<b>Direct Reports:</b>	No
<b>Bonus Potential:</b>	10%

## About PKI Solutions

At PKI Solutions, we're passionate about creating innovative solutions that help businesses achieve their security goals. Our team of experts brings decades of experience in Public Key Infrastructure (PKI), enabling us to provide cutting-edge products and services to our clients. We take pride in our commitment to excellence, customer satisfaction, and staying at the forefront of industry trends.

We're actively seeking a talented individual to become a key player in our team, contributing to integrating new features and enhancing the existing user experience of our applications.

## About this Role

As a Sr. Software Engineer specializing in desktop application development, you will be pivotal in designing, implementing, and maintaining our portfolio of desktop applications. Your contributions will directly impact how users interact with our products, ensuring a seamless and visually appealing experience. If you're passionate about pushing the boundaries of desktop applications, enjoy working in a collaborative environment, and want to be part of a team that values innovation, we want to hear from you! Join us in creating software that not only meets but exceeds user expectations. This is a full-time on-site position based in our Portland, OR office.

- Design, implement, and maintain highly scalable and reliable distributed systems.
- Collaborate with cross-functional teams, including other engineers and product managers, to implement new product features.
- Implement synchronization mechanisms to handle high-latency and partial failure scenarios effectively.
- Develop tools and frameworks to automate server infrastructure deployment, scaling, and monitoring.
- Conduct load testing and performance tuning to ensure system stability and respond to customer-facing latency issues.
- Apply Test-Driven Development (TDD) principles to ensure the reliability and robustness of developed components.
- Conduct code reviews, provide constructive feedback, and contribute to maintaining coding standards.
- Stay current with industry trends and emerging technologies to continually enhance skills and share knowledge within the team.

## Basic Qualifications:

- Bachelor's degree in computer science or relevant technical field; OR significant relevant past software engineering project/working experience.
- Deep understanding of Windows operating systems, including Windows APIs and system architecture.
- Strong experience designing and building distributed systems, preferably with cybersecurity or cryptographic systems.
- At least 3 years of development using C# and .Net.
- Experience with native Windows development frameworks such as WinUI, WPF and Winforms.
- Familiarity with database management and caching solutions.

- Ability to diagnose and resolve performance bottlenecks in high-traffic environments.
- Familiarity with version control systems (e.g., Git) and agile development methodologies.
- Experience with Test-Driven Development (TDD) practices.
- Excellent problem-solving skills and attention to detail.
- Strong communication and collaboration skills.

#### **Preferred Qualifications:**

- Experience with cloud services (AWS, Azure, Google Cloud) and server orchestration technologies (Kubernetes, Docker).
- Experience with DevSecOps, PKI, Cryptographic Systems.
- Familiarity with DevOps practices and tools, creating and maintaining CI/CD pipelines.
- Experience developing desktop applications with Rust.
- Experience developing Windows Services.

#### **Success Criteria**

The success criteria for this role include engineering thought leadership, designing and writing software, and supporting and collaborating with key stakeholders. Clear communication of expected risks, complexities, and timelines contributes to overall success in this role.

#### **Other**

- **Supervisory Responsibility**
  - This position has no supervisory responsibilities.
- **Work Environment**
  - This job operates in an office setting or may be remote. This role routinely uses standard office equipment such as computers, phones, photocopiers, and filing cabinets, if applicable.
- **Physical Demands**
  - Lift 10-15 pounds
- **Position Type and Expected Hours of Work**
  - This is a full-time position located in Portland, OR. Typical days and hours of work are Monday through Friday, between 8:00 a.m. to 5 p.m. or as scheduled with the employee's supervisor.
- **Travel**
  - No
- **Work Authorization/Security Clearance**
  - US citizenship or permanent residency is evidenced via the current I9 process.
  - Visa Sponsorship is not available.
- **Other Duties**
  - Please note that this job description is not designed to cover or contain a comprehensive listing of activities, duties, or responsibilities required of the employee for this job. Duties, responsibilities, and activities may change at any time, with or without notice.

## HOW TO APPLY

To apply please send your resume to [hr@pkisolutions.com](mailto:hr@pkisolutions.com) with the title of the position and your first and last name in the subject line.

### Corporate Headquarters

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