Software Engineer (Eugene, OR)

For more than 35 years, Prime Factors has served more than 1,000 global customers, including 80% of the top financial institutions in North America, with cryptographic software for payments, EDI, and general data protection. Prime Factors software products help business leaders implement and automate data security governance to protect sensitive information being used by or stored in virtually any application or system with Data Protection Policies that govern data access and protect data with encryption, tokenization, and data masking.

We are seeking a new member to join our team of exceptional people. The Software Engineer will be responsible for designing and developing software for scalable data processing applications, deployed on-premise or in the cloud, including writing, debugging, maintaining, and testing the software. The ideal candidate is a hands-on builder of high-quality, innovative, and fully performing software with significant experience in developing applications complying with best practices and sound technical design. They must be at ease working in a collaborative environment with little supervision and a passion for continuous improvement and test-driven development.

The candidate will work closely with the QA and Product Support teams to ensure our software releases result in a consistent quality product release to our customers. This position requires a highly motivated individual with a detail-oriented mindset yielding quality application delivery. Candidate must be a positive self-starter, comfortable with changes in direction and a fluid environment, and the ability to manage and prioritize multiple concurrent projects. The position is in our Eugene office and slated to begin as soon as a qualified candidate is identified.

Required Skills:

- Experience with software development fundamentals, adherence to best programming practices
- Experience with requirements analysis, software review, code analysis, system risk analysis and software reliability analysis
- Experience in designing real-time data processing applications, particularly for cloud deployment
- Experience with user and application programming interface (API)
- Experience with Linux and Windows operating systems are a must, IBM iSeries and z/OS are a plus
- Ability to clearly document requirements and implementation approach with attention to detail
- Ability to learn quickly, solid analytical and problem-solving skills, strong organizational skills
- Effective communication skills, ability to work collaboratively, and manage time effectively
- Self-motivated team player with strong sense of urgency and drive
- Desire and ability to learn new technologies as they emerge

Experience:

- BS degree in Computer Science, or related technical discipline, and 5+ years of professional software development experience in C/C++, Java and C#
- 5-7 years of hands-on experience in development of distributed/scalable systems and high-volume transaction business applications
- 5+ years' experience with Windows and Linux platforms and software development tools including Visual Studio, GCC, and related code analysis tools. Experience with Eclipse is a plus
- Experience with developing microservices and container applications for cloud deployments

- 4+ years' experience with Web application technologies: JavaScript, HTML and one or more server-side scripting languages, .NET, and PHP
- Experience with designing and developing user interfaces from a user experience approach is desirable.
- Understanding relational databases including database design, indexing, stored procedures, and triggers. Ideally, this would include 2+ years of experience with Oracle, MS SQL, or MS SQL Server
- Understanding of:
  - Encryption, authentication, and key management concepts
  - SSL/TLS protocol implementation
  - LDAP/Active Directory integration
  - Threads, TCP/IP sockets, shared memory, and semaphores

Roles:

- Maintain existing code base and analyze, design, and develop new features
- Test and debug programs for correctness and functionality
- Identify opportunities for code base improvement, make recommendations, design changes, and peer review code changes
- Provide written knowledge capture of implementation or problem resolution approaches
- Participate in research of new technologies and support for new application environments
- Participate in production support and problem resolution