



Software Engineer

Powertranz Limited, currently invites applications from self-motivated professionals for the position of Software Engineer.

Responsibilities include:

- Collaborating with business & systems analysts and developers, in developing and initiating new software programs and applications
- Adhere to the company Software development policy and standards
- A keen awareness of software development and design alternatives
- Taking an active role in cross-departmental projects when needed
- Contribute to research on emerging application development software products, languages, and standards in support of procurement and development efforts
- Researching, documenting, and implementing program requirements and specifications
- Consistently writing, translating, and coding software programs and applications according to specifications
- Running and monitoring performance tests on new and existing software for the purposes of correcting errors, isolating areas for improvement, and general debugging
- Administering diagnostic analysis of test results and delivering solutions to critical areas
- Sharing knowledge of application development best practices
- Gathering statistics, preparing and writing reports on the status of the programming process for discussion with management and/or team members
- Determining, developing, and maintaining system manuals and guidelines
- Installing software products for end users as required
- Liaising with software vendors for prompt rectification of any problems or emergencies
- Liaising with network administrators, systems analysts, developers, and other software developers to resolve any defects in products or company systems
- Recommending, scheduling, and performing software improvements and upgrades for optimal performance of company workstations
- Conducting quality assurance and change control for all application upgrades and development in accordance with FAC policies and standards
- Assisting with Disaster Recovery Planning and implementation to include hardware and software
- Providing out of hours support on a rotating 24x7 basis, as required

The Successful Applicant must have:

- University degree in Computer Science or related discipline
- Minimum 10 years of experience developing enterprise level, robust web and server systems (n-tier) using C## or Visual Basic primarily with the .NET/.NET core framework
- Experience writing clean and maintainable code using design patterns and dependency injection
- Experienced with REST, MVC, aspect-oriented programming, gRPC, JSON, XML, Polly, Serilog & Seq, Telerik UI, IIS, Javascript, HTML, DI Containers (Microsoft, SimpleInjector), JQuery, Windows Server operating systems



- 5 years of demonstrable experience with medium to complex distributed systems and micro-services
- 5 years of experience developing high volume transaction processing systems
- 5 years of experience with bus systems (NServiceBus, RabbitMQ, MSMQ)
- 5 years of experience developing multithreaded solutions involving traditional async as well as producer/consumer, distributed locks, semaphores, TCP session control, and other thread management constructs.
- 5 years of experience designing and developing with small to large, high-volume SQL Server databases with and without ORM tools (Llblgen, EF Core)
- Experience with financial processing message formats including ISO-8583, BASE 24, Visa BASE I, Visa BASE II, Fiserv EDC
- Experience with credit card/debit card payment processing including ecommerce, card present, EMV and 3DS
- Experience developing mobile applications (Xamarin)
- Experience with containerization and orchestration using Docker, Kubernetes, and AKS or equivalent
- Experience developing applications to run efficiently with a Microsoft Azure environment
- A thorough understanding and practical knowledge of secure software development techniques. Experience developing software adhering to OWASP standards for PCI-DSS Compliance
- Thorough knowledge of systems development life cycle and a thorough understanding of various development methodologies and how/when to apply them
- Experience with Git (Github) and Team Foundation Server source control systems
- Hands-on software troubleshooting experience demonstrating good judgment in identifying issues and recommending solutions to others
- Experienced at working both independently and in a team-oriented, collaborative environment is essential
- Team Foundation Server source control systems