Emmett Lin

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Software engineer with 6 years of experience in architecting, designing, and writing code.

Technical Experience

Languages: C#, Java, SQL, JavaScript, TypeScript
Frameworks: .NET Core, .NET 4.7 Entity Framework, Spring, Angular, Knockout
Microsoft Azure: Azure DevOps, SQL, Elastic Databases, Batch, Storage, Active Directory, Data Factories, Service Bus, Virtual Machines, App Services
AWS: Redshift, S3, Redshift Spectrum

Work Experience

Software Engineer   02/2019 – present
InRhythm contracted to Mastercard, E-Trade   New York, NY
- Created a new user interface for the application in Angular and TypeScript from scratch. Created new CI/CD pipelines for the web application.
- Introduced best practices and methodologies, enhanced release processes, and improved the speed of CI/CD pipelines in Jenkins by up to 20 minutes.
- Developed microservices using Spring Boot, PostgreSQL, Maven, and PCF.
- Involved with the full development cycle of the product.

Software Engineer   01/2014 – 12/2018
ERP Maestro   New York, NY
- Led team to create microservice for downloading and uploading files. Architected a self-hosted REST API to serve files using ASP.NET Core and created a windows installer for the application using WiX toolset.
- Implemented dashboard page with graphs to aid data visualization using ChartJS. Added drill down functionality to charts and graphs to reveal detailed report data stored in Redshift.
- Began the process of implementing the strangler pattern across our legacy company applications, making the move to a micro service architecture.
- Migrated old web application from Silverlight to using a web API backend and a SPA frontend using Durandal and Knockout.
- Refactored job server code to support new cloud architecture to deploy to Azure Batch. This allowed horizontal scaling based on current customer workload.
- Designed and implemented an access reviews product that clients use for their audits.
- Created a process for clients to schedule recurring jobs using Hangfire.
- Created WPF application for clients to use as an agent to communicate with SAP using RFCs to extract data or change permissions.
- Designed software using object-oriented principles for both the front end and back end.
- Researched and made decisions on technologies for new features.
- Ensured code quality by peer reviewing others and writing unit tests.

- Created and maintained automated builds and deployments.
- Reacted quickly to resolve bugs in production to avoid loss of service.
- Helped move the release cycle from quarterly to one every two weeks.

Education

B.A. in Computer Science   09/2011 – 12/2014
New York University   New York, NY