Zheng (Eve) Guo

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Summary

Around 5 years of experience Full Stack Engineer with .NET Core expertise.

Education

Bachelor of Science, Computer Science Chicago, IL
Illinois Institute of Technology 2015 - 2019
- Graduated *cum laude*. 3.56.

Career

Tesla Fremont, CA
Full Stack Engineer Oct. 2021 - April 2024
At Tesla, I worked on the *Transportation Management System* team, developing an internal microservice application which managed finished vehicle data and delivery logistics using .NET 6, Angular 7, MySQL, Redis, Kafka, AWS, and Dapper.

- Designed and developed a batch update screen for Tesla's ERP vehicle shipment logistics system. This feature reduced the time it took Tesla's logistics engineers to manage large sets of vehicle shipment data, effectively reducing a common operation from 8 minutes to under 30 seconds.
- Developed Tesla's vehicle location tracking feature. I introduced a new method to determine exact vehicle location, replacing an old method which only estimated location. I used Kafka to broker the exact vehicle location to other teams, allowing those teams to make better decisions when managing orders.
- Maintained AWS Elasticsearch for dashboard searching, enabling users to search and sync data with new logistics fields.
- Collaborated with the DevOps and QAs teams to test and deploy code, monitoring network traffic, and investigate production issue using Postman, Jenkins, Splunk, and Grafana

Verisk Analytics Jersey City, NJ
Full Stack Engineer Nov. 2019 - Oct. 2021
At Verisk, I worked on a team which developed an invoice report generation system using .NET Core 3, Angular 6, and Postgres.

- Migrated a legacy PowerBuilder invoicing application to a modernized .NET Core API back-end and an Angular 6 Framework front-end. This overhaul made the system easier to maintain and add new features to.
- Integrated a front-end to the new application with Angular Modules, Components, Services, and Metadata.
- Used structural Directives, Data Binding, HttpClient, and Observables to pull and interact with customer financial data. Used Web API with Onion Architecture. Implemented API Routing, Error Handling, and ModelState to satisfy front-end application requirements.
- Developed using Agile methodologies, Jira, Bitbucket and DBeaver Software.

Skills

C# / TypeScript / Python
.NET 6, Web API 2, LINQ, Angular 7, HTML, CSS, bootstrap, Angular Material
MySQL, MS SQL Server, DBeaver, Redis, PostgreSQL, DB2, Dapper
Visual Studio, VSCode, Jira, Git, Bitbucket, Jenkins, Postman, RabbitMQ, Kafka, Splunk, Elasticsearch, EC2, Octopus Deploy