

Aparna Girme

github.com/AparnaGirme | [in/aparna-girme](https://in.aparna-girme)

SUMMARY

Accomplished Software Engineer with 9 years of expertise in System Design, Performance Optimization, and Feature Enhancement. Skilled in creating and executing complex solutions with clear stakeholder communication throughout development lifecycle. Proven track record in leveraging technologies such as Golang, Kafka, .NET Core, Angular 7, Kubernetes, MySQL to build web and internal application systems from scratch.

EXPERIENCE

Software Development Engineer

Tesla Motors, Fremont, CA December 2019 - January 2024

- Developed system features using .NET Core, Angular 7, and databases like MSSQL and MySQL for B2B web applications.
- Automated the migration of internal applications to Kubernetes, utilizing YAML configurations, .NET Core, and Kubernetes for CI/CD process.
- Implemented an application for managing jobs on Kubernetes, leveraging Golang Rest API and Angular 12, ensuring integrity for execution.
- Independently designed and developed a replication and archival system using Golang and Kafka within the acceptable lag of few hours.
- Led the data migration effort based on geographical parameters such as country, state, and city for over 900,000 data rows.
- Assumed the role of a Scrum Master when required, managing scrum meetings, and ensuring the team's adherence to Agile methodologies.
- Addressed performance issues with more than 50% improvement and facilitated the migration from MSSQL to MySQL.
- Implemented end-to-end functionality, ensuring communication with all stakeholders throughout the process with minimal supervision.

Software Engineer

Electric Power Group, Pasadena, CA, July 2019 - October 2019

- Developed new features and resolved bugs from existing system based on WPF platform.

Software Engineering Intern

Cornerstone OnDemand, Santa Monica, CA, February 2019 - May 2019

- Developed reusable web components in React, ES6, JSX, SCSS, PostgreSQL, and GitHub, reducing development time by 10%.
- Wrote service queries and query handlers in .NET, C#, WEB API, AWS, GitHub, Kubernetes, and PostgreSQL.

Application Development Senior Analyst

Accenture, India, June 2012 - July 2017

- Implemented applications using PI Web Service, enhancing end-user performance by 30%, while managing external vendors.
 - Resolved bugs and enhanced metadata overview in existing web applications through ASP.NET and JavaScript.
 - Led a team of five in managing AWS server status and reports and provided training and mentorship to junior developers and engineers.
 - Conducted 'Branching and Merging' using TFS 2012 for WPF, WCF, and Entity Framework applications.
 - Improved system performance and resolved bugs through Code Analysis in a team of 80 resources.
 - Performed comprehensive testing and troubleshooting using Microsoft's Test Manager, documented resolutions in the system.
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SKILLS

- **Programming Languages:** C#, Golang, TypeScript, JavaScript
 - **Frontend Development:** Angular, React, ES6, JSX, SCSS
 - **Backend Development:** Node.js, .NET Core, WEB API
 - **Databases:** MSSQL, MySQL, PostgreSQL
 - **Containerization tools:** Kubernetes, Docker
 - **Cloud Infrastructure:** Azure
 - **Tools & Technologies:** Git, Elasticsearch API, JIRA, Confluence, Artifactory, Prometheus, Grafana, Kafka, Nginx
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CERTIFICATIONS

- **Software Architecture & Technology of Large-Scale Systems** | [Udemy](https://www.udemy.com/course/software-architecture-and-technology-of-large-scale-systems/)
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EDUCATION

- **California State University, Fullerton, CA** | (3.65/4.00) Master of Science, Computer Science, 2019
- **Sinhgad Institute of Technology, Pune, India** | Bachelor of Engineering, Computer Science, 2012