Siman Shrestha

Austin, TX • siman4457@gmail.com • Portfolio • (469) 323-7640

SKILLS

Languages: Python, Java, JavaScript, Typescript, HTML, CSS

Technologies: React, Angular, GraphQL, Node.js, Spring, MongoDB, MySQL, Git, Linux

Design: Adobe XD, Adobe Illustrator, Adobe InDesign, Figma

EXPERIENCE

Visa
Oct 2020 - Present

Senior Software Engineer · Austin, TX

- Implemented real-time, API health monitoring dashboards for critical production metrics. Each dashboard reduces server load by 5x by leveraging WebSockets. Used by over 100 employees in the command center. **Tech: Redis, GraphQL Subscriptions, and React.**
- Improve an in-house Observability web app used by over 500 engineers. Enable engineers to generate key metrics and alerts for their app servers. **Tech: React, Nodejs, GraphQL, MongoDB.**
- Successfully deployed Grafana with a distributed architecture, enabling more than 1000 engineers to monitor API health effectively. **Tech: Linux, MySQL.**
- Led an intern to develop a synthetic monitoring service and a query management portal. **Tech: React, Node**
- Built a web app to automate the execution and deployment of scheduled jobs, while providing logging capabilities. Reduced time to execution by 4x and used by 100+ engineers at Visa daily. **Tech: Angular, D3, Spring, Kafka, Quartz, and MySQL.**

Frogslayer
Sept 2019 - May 2020

Software Engineer · College Station, TX

- Designed and delivered features while resolving bugs within a medical record system. This critical system was utilized daily by 100+ employees across 3 distinct urgent care facilities. **Tech: Angular, MariaDB, and Django**.
- Built a system to capture and analyze physician performance. This contributed to a deeper understanding of medical practitioners; efficacy, while enabling data driven decision making.

PROJECTS

OpenBeta.io
August 2022 - Present

Open Source Rock Climbing Data

- Contributing towards a nonprofit initiative that is committed to enabling access to comprehensive data on rock climbing routes. **Tech: Next.js, Node.js, GraphQL, MongoDB.**
- Optimized area statistics calculation by reducing runtime from 25 min to 1 min.
- Improve UI and UX by designing modern, responsive components and implementing them on the front end.

EDUCATION

Texas A&M University
Aug 2016 - May 2020

B. Sci. Computer Science · College Station, TX

- Minor in Graphic Design
- Texas A&M Rock Climbing Team
- Distinguished Student, Texas A&M University College of Engineering
- Dean's Honor Roll, Texas A&M University College of Engineering

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LEADERSHIP

Lead Communications and Engagement Chair, Young Professionals @ Visa   Dec 2020 - Present

- Encourage networking between 500 members through informational and social events.

Summer Intern Mentor   May 2022 - Present

- Mentor interns over the summer by sharing industry best practices, providing technical guidance, and contributing to their growth within the team.