Siman Shrestha

Austin, TX • siman4457@gmail.com • Portfolio • LinkedIn • (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 Full Stack Software Engineer — Austin, TX

Platform as a Service - Observability, Jan 2022 - Present

- Implemented a real-time, API health monitoring app for critical production metrics. Reduced server load by 5x and is used by over 100 employees in the command center. **Tech: Redis, GraphQL Subscriptions, React.**
- Maintain and develop an in-house Observability web app used by 500 engineers. Enable engineers to generate key metrics and alerts for their app servers. **Tech: React, Nodejs, GraphQL, MongoDB.**
- Successfully deployed Grafana in a distributed environment, used by 1000 engineers to monitor API health effectively. Decoupled authentication architecture. **Tech: Linux, MySQL, ForgeRock.**
- Led an intern to develop a monitoring service. **Tech: React, Node**

Full Stack Software Engineer

Middleware, Oct 2020 - Jan 2022

- Built a web app to automate the execution and deployment of scheduled jobs with log reports. Reduced time to execution by 4x and used by 100+ engineers at Visa daily. **Tech: Angular, D3, Spring, Kafka, Quartz, MySQL.**

Frogslayer
Sept 2019 - May 2020

Software Engineer — College Station, TX

- Developed and maintained a cloud-based medical record system. Utilized daily by 100+ employees across 3 distinct urgent care facilities. **Tech: Angular, MariaDB, Django.**

PROJECTS

OpenBeta.io
August 2022 - Present

Open Source Rock Climbing Data

- Actively 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.

Ellium
June 2022

Oil and gas startup

- Implemented authentication flow using Azure AD as a federated identity provider in an AWS Cognito user pool. Integrated into a React app and deployed using AWS Amplify. **Tech: AWS Cognito, Amplify, Azure Active Directory, React.**

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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

LEADERSHIP

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

- Speaker for informational and social events that encourage networking amongst 500 members.

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.