Alap Raval

(630) 881-6454 • alapsraval@gmail.com
linkedin.com/in/alapsraval • github.com/alapsraval

Summary

Senior Software Engineer with a strong background in delivering scalable front-end and cloud-native solutions across FinTech, healthcare, and higher education industries. Expertise in developing intuitive **single-page applications**, **dynamic UIs**, and responsive designs using **JavaScript**, **React**, **Angular**, and **Node.js**. Skilled in leading Agile teams, driving CI/CD automation, and implementing DevOps strategies with **AWS**, **Terraform**, and **Jenkins**. Proven ability to optimize system performance, create secure architectures, and mentor teams in delivering high-quality software solutions. Strong communicator with a track record of collaborating across technical and business teams to drive innovation and meet organizational goals.

Technical Skills

Programming & Web Development
Golang, TypeScript, JavaScript (Node.js, React, Angular, Express.js), HTML, CSS (SCSS), REST APIs, Django

Data Analysis & Visualization
Python (Pandas, NumPy, Plotly), R, SQL (MySQL, PostgreSQL), Tableau

DevOps & Cloud
AWS (EC2, S3, Lambda, DynamoDB, VPC, IAM, CloudWatch), Terraform, Ansible, Jenkins, Git

Testing & Security
Jest, Cypress, Selenium, Cucumber, Behave, Postman, SonarQube, Splunk

Professional Experience

Senior Software Engineer / Manager
Eviden USA, Inc., Chicago, IL

August 2021–Present

Client: Capital One Financial

- Led development of scalable, cloud-based solutions in Agile environments, improving deployment efficiency through collaboration with full-stack teams.
- Optimized Correspondence Management workflows using Golang, AWS, and Splunk, integrating a custom AWS Step Function error-handling mechanism to minimize error rates and enhance system reliability.
- Increased test coverage and accelerated testing cycles by onboarding CM repositories to the 7ps framework, leveraging Cypress for ATDD.
- Automated acceptance tests with Cucumber and integrated them into the CI/CD pipeline, enhancing defect resolution efficiency through collaboration with QA and development teams.

Client: Options Clearing Corporation

- Automated cloud environments with infrastructure as code, improving deployment efficiency and reducing manual interventions.
- Designed automation scripts with Docker, Kafka, and container management, accelerating real-time data processing.
- Built scalable real-time financial services with JavaScript (Node.js, TypeScript) and RESTful APIs, utilizing WebSockets for high performance and responsiveness.
- Integrated monitoring solutions using Ansible, Terraform, Docker, and Jenkins, enhancing system visibility and reducing downtime.
- Implemented DevOps strategies with GitHub, Terraform, Jenkins, and AWS, reducing deployment cycles and improving CI/CD efficiency.

Software Engineer
Northwestern University, Evanston, IL

March 2016–August 2021

- Optimized **SLATE CRM** for undergraduate admissions, enhancing user experience and implementing custom exports for better reporting.
- Developed **single-page apps** and **dynamic UIs** using **JavaScript**, integrating APIs to improve CRM functionality.
- Automated data processes with **ETL pipelines** in **Python** and **JavaScript**, improving data integrity and reporting.
- Utilized **Excel**, **R**, and **Tableau** for data analysis, resolving issues and streamlining workflows.
- Led the import of 500,000+ records into **SLATE CRM**, ensuring smooth data flow and system optimization.

Front-End Developer
Maven Wave Partners, Chicago, IL

June 2014–March 2016

Client: CatamaranRX (now UnitedHealth Group's OptumRX)

- Developed single-page and mobile applications using JavaScript frameworks, driving user engagement and performance.
- Built responsive, cross-device web designs with **HTML5**, **CSS3**, **LESS**, and **Bootstrap 3.0**.
- Led technical discussions with business, development, and infrastructure teams to deliver scalable applications and solutions.
- Contributed to unit testing, debugging, and documentation, enhancing project quality and reducing bugs.
- Implemented web accessibility best practices, ensuring compliance with **WCAG** standards and improving usability for all users.

Front-End Developer
Walgreens, Lincolnshire, IL

Dec 2012–April 2014

- Designed and developed intuitive web UIs for POS applications, enhancing user experience.
- Increased mobile traffic by 30% through mobile-first, responsive design.
- Implemented dynamic, standards-compliant layouts using XHTML, CSS, and Java controllers.
- Improved client-side validation with jQuery, collaborating on effective UI solutions.
- Boosted page load times and performance with lazy loading and optimized asset management.

Education & Certifications

AWS Certified Cloud Practitioner

December 2022

Full Stack Web Development Coding Boot Camp
Northwestern University, School of Professional Studies, Chicago, IL

September 2021

Data Science and Visualization Boot Camp
Northwestern University, School of Professional Studies, Chicago, IL

May 2020

Master of Science in Human-Computer Interaction
DePaul University, Chicago, IL

December 2019

Master of Science in Computer Science (Major: Database Systems)
DePaul University, Chicago, IL

June 2012

Bachelor of Engineering (Major: Telecommunication)
Hemachandracharya North Gujarat University, India

May 2009