

Gowtham Chandrasekaran

gowthamchandrasekaran.com
linkedin.com/in/gowtham-c
github.com/gowtham-chandrasekaran

Email : gowtham6309@gmail.com

Mobile : +16692041307

Address : San Jose, CA, USA

OBJECTIVE

Talented Software Engineer with 2 years of experience seeking new opportunities from May 2023. Proficient in building scalable and cross-region architecture applications using React, Angular, NodeJS, Python, Go and AWS services.

EXPERIENCE

Systems Engineer

Chennai, India

Tata Consultancy Services

May 2019 - May 2021

- Developed a React-based server health monitoring dashboard that visualized CPU usage rate, disk capacity usage, and network throughput, improving metric readability.
- Programmed AWS Lambda functions and RESTful APIs to access server health metrics from AWS DynamoDB and analyzed them using Amazon Forecast to predict server failures with over 95% accuracy.
- Implemented a 2-factor User authentication page that performs password and OTP verification which improved the security using Angular and NodeJS.
- Broke a monolith application of a retail client into microservices on AWS using Docker and Kubernetes, and improved the modularity, testability and maintainability of the codebase.
- Collaborated with UX designers and product managers to create concept mockups and wireframes.
- Handled production issues across services, by performing root cause analysis and provided development fixes.
- Implemented and optimized multiple applications like Barcode and RFID validator, Tags artwork inspector using Python.
- Implemented unit tests using Test Driven Development with Enzyme, which improved code quality and prevented regressions, reducing the number of bugs by 99%.
- Collaborated with cross-functional teams, including UX designers, product managers and DevOps engineers, to deliver high-quality projects on time and within budget.
- Administered components, templates, and workflows of Adobe Experience Manager, Adobe Campaign, and Marketo.
- Worked in Agile methodology for project management, using Jira Kanban Tool to visualize work, limit work-in-progress, and maximize efficiency.
- **Technologies used:** Python, Docker, Kubernetes, React, Angular, NodeJS, AWS EC2, AWS Lambda, AWS CloudWatch, AWS DynamoDB, REST, Marketo, Adobe Experience and Marketing Cloud

EDUCATION

Masters of Science in Computer Science

San Jose State University, G.P.A: 4/4

San Jose, California, United States

Aug 2021 - Dec 2023(Expected)

Bachelor of Engineering in Computer Science and Engineering

Anna University, G.P.A: 8.2/10

Chennai, India

Aug 2015 - April 2019

SKILLS

Programming Languages: Python, JAVA, C++, C#, SQL, Go

Technologies: HTML, CSS, JS, NodeJS, AWS, Docker, REST, GraphQL, MongoDB, Cassandra, GIT

Frameworks: ReactJS, Angular, Django, Tailwind, Express, Flask, Enzyme, Jenkins, JUnit, Mockito, Selenium

RESEARCH AND PROJECTS

- **Driver Distraction Detection:** Created a CNN model to detect driving distractions and designed a driver scoring system for unbiased insurance pricing.
- **Face Mask Violation Detection:** Developed a scalable and available face mask violation detection web application using AWS Rekognition, Lambda, SQS, RDS, S3, ECS, and Load Balancer.
- **Handover Optimization in 5G Network Using Reinforcement Learning:** Developed a Q Learning-based solution to optimize handover connections in a custom 2D grid world environment with 5G antennas.