

Sucheth Govindaraju

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EDUCATION

University of Southern California

Los Angeles, CA

Master of Science in Computer Science | GPA: 3.55/4.0

Jan 2023 – Dec 2024

- Coursework: Analysis of Algorithms, Database Systems, Web Technology, Information Retrieval and Web Search Engine, Machine Learning for Data Science, Security Systems, Advanced Game Consoles

Reva University

Bangalore, India

Bachelor of Technology in Computer Science and Engineering | GPA: 9.11/10.0

Aug 2017 – Jun 2021

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), TypeScript, C#, Java, PHP, Bash, PowerShell, HTML, CSS

Frameworks: React.js, Angular, .NET Core, ASP.NET MVC, ASP.NET Web Forms, Flask, Node.js, GraphQL, Pytest, NUnit, Jest

DevOps: Azure DevOps, Jenkins, Docker, Kubernetes, Terraform, Ansible, Prometheus, Grafana, Linux

Cloud Infrastructure and Tools: AWS, Oracle VM VirtualBox, Nginx, RabbitMQ, Kibana

Databases: PostgreSQL, MS SQL Server, MySQL, MongoDB

Concepts: Cloud Computing, Microservices, SDLC, Test Driven Development (TDD), RESTful API, Agile, CI/CD

WORK EXPERIENCE

LexisNexis

Los Angeles, CA

Software Engineer Intern

June 2024 – Present

- Managed and optimized infrastructure for high-traffic eCommerce and marketing platforms, leading multiple migrations from on-premise servers to **AWS** and structuring build and release stages by setting up **Azure DevOps** pipelines and releases.
- Developed a **Jenkins CI/CD pipeline** to automate deployment from on-premise to **AWS**, leveraging **CloudFormation** for Infrastructure as Code, reducing deployment time by 25%.
- Developed a **Python API** containerized in a **Docker** environment for metrics tracking and automated rollback in **Azure DevOps**, enhancing observability, operational insights, and resource efficiency.
- Designed and built an internal tool with **React.js**, **C#/.NET Core Lambda functions**, and **RDS (MySQL)**, implementing unit testing with **NUnit**. This tool saved 6 hours per week and reduced on-call issues by streamlining troubleshooting and maintenance tasks.
- Demonstrated a proactive stance by resolving 150+ security vulnerabilities across the e-commerce platform, effectively mitigating issues flagged by **SonarQube** and **Qualys** to enhance system security and compliance.

USC Information Sciences Institute

Los Angeles, CA

Full Stack Developer

Sept 2023 – Dec 2023

- Developed a deepfake detection app using **React.js**, **OAuth**, **JWT**, and **Flask**, processing over 1,000 videos and conducting unit testing for the APIs to ensure application reliability.
- Integrated **AWS S3** for scalable video storage and **MongoDB** for user data, leveraging **AWS SQS** for asynchronous processing to reduce latency by 15 seconds and enhance performance.
- Managed multiple **Docker** components using **Docker Compose** and implemented real-time communication via **WebSockets**, boosting user engagement by 50%, while containerizing the app for improved scalability and deployment.

DXC Technology

Bangalore, India

Associate Professional Software Engineer

June 2021 – Sept 2022

- Architected and optimized frontend components with **React.js** and **Redux** for a Life Insurance application serving 29 million users, implementing lazy loading, pagination, and caching to reduce page load time by 500ms and extend session duration by 2 minutes.
- Developed an API using **ASP.NET Core** and **C#** to process **75,000+ insurance claims daily**, ensuring high performance and data efficiency.
- Transitioned 30+ RESTful APIs to **GraphQL**, cutting API calls by 55% and reducing response size by 35%, boosting data retrieval efficiency and performance.
- Automated build and deployment processes using **Jenkins**, optimizing CI/CD pipelines and reducing deployment time by 40%.
- Collaborated in an **Agile** team using **Jira** for sprint planning and project tracking, engaging clients to gather requirements and enhance project delivery.

PROJECTS

Ebay E-Commerce App

- Developed a full-stack eBay app with an **Angular** frontend and **Node.js-MongoDB** backend, integrating geolocation search. Created a **Kotlin** based Android app with **Node.js** and Facebook SDK for enhanced social sharing.

Microservices Video Conversion Application

- Built a scalable microservices architecture for video-to-MP3 conversion with **Flask**, **RabbitMQ**, **MongoDB**, **Docker**, and **Kubernetes**, ensuring efficient data handling and communication.

Trojan Events App

- Developed a scalable college event management app with a **React.js** frontend and **Node.js-MongoDB** backend, using **D3.js** for registration visualization, and **JWT**-based authentication with a **GraphQL** API for efficient data retrieval.