

Sreyeesh Garimella

Senior Software Engineer

LinkedIn | GitHub | Portfolio

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Professional Summary

Experienced Software Engineer with over 10 years of expertise in **backend development**, **distributed systems**, and **cloud-native architectures**. Skilled in **Node.js**, **TypeScript**, **Python**, and modern DevOps tools like **Docker**, **Kubernetes**, and **CI/CD pipelines**. Proven ability to design and scale microservices, automate workflows, and deliver user-focused software solutions. Passionate about mentoring, teaching, and collaborating in fast-paced, dynamic environments.

Technical Skills

Programming Languages

- Node.js, TypeScript, Python, JavaScript, C++, C#, Lua

Backend Development

- Microservices, REST APIs, GraphQL, Flask, Django

Frontend Development

- React, Vue.js, Angular, HTML, CSS, Tailwind CSS

Databases

- PostgreSQL, MySQL, MongoDB, Elasticsearch, Redis

Cloud Platforms

- AWS (EC2, Lambda, DynamoDB), Google Cloud, Azure

DevOps & Automation

- Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions), Terraform, Prometheus, Grafana
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Professional Experience

Senior Backend Engineer

Various Studios | January 2015 – Present

- Designed and deployed **scalable backend systems** using **Node.js** and **TypeScript**, supporting millions of users.
- Led the development of microservices architectures, ensuring **high availability** and fault tolerance.
- Deployed cloud-native solutions with **AWS Lambda**, **DynamoDB**, and **API Gateway**.
- Built RESTful APIs to enable seamless integration with frontend and third-party systems.
- Implemented CI/CD pipelines using **GitHub Actions**, reducing deployment times by 40%.

Software Developer

Freelance Projects | 2013 – Present

- Developed custom software solutions for clients using **React**, **Node.js**, and **MongoDB**.
- Automated workflows for animation studios using **Python**, **ShotGrid API**, and **Autodesk Maya API**.
- Migrated monolithic applications to **microservices architectures**, improving scalability by 30%.
- Delivered cloud-based solutions for e-commerce platforms, integrating secure payment gateways.

Instructor & Mentor

Toucan Studios | January 2022 – Present

- Conducted workshops on **backend development**, **DevOps**, and **Python programming** for over 50 students globally.
- Designed project-based learning modules focusing on REST APIs, Docker, and real-time systems.
- Mentored students on best practices in software design, testing, and deployment.

Projects

Scalable Backend System

- Architected a real-time backend system using **Node.js**, **Redis**, and **Web-Sockets**.

- Deployed microservices with load balancing, caching, and failover support, handling 1M+ users.

Cloud-Native Application

- Developed and deployed a cloud-native application on **AWS** with **Lambda**, **DynamoDB**, and **API Gateway**.
- Integrated monitoring dashboards using **Prometheus** and **Grafana**.

Render Farm Automation

- Automated animation rendering workflows using **Python**, **MongoDB**, and REST APIs.
- Improved task prioritization and resource allocation with real-time monitoring.

Full-Stack E-Commerce Platform

- Built a full-stack web application with **React** (frontend) and **Node.js** (backend).
 - Implemented user authentication, real-time notifications, and inventory management.
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Education

California State University, Northridge

- **Degree:** Art, Animation (2010 - 2012)

College of the Canyons

- **Degree:** Associate of Arts, Animation (2007 - 2010)
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Certifications

- **AWS Certified Solutions Architect**
 - **Docker Certified Associate**
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Links

- **LinkedIn:** <https://ee.linkedin.com/in/sreyeeshgarimella>

- **GitHub:** <https://github.com/Sreyeesh>
- **Portfolio:** <https://ittoucan.com/>