SENJEEV G

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Executive Summary

Software Engineer with experience in developing scalable applications and optimizing data workflows for reliability and performance. Skilled in modern web technologies, backend systems, and writing clean, maintainable code. Committed to continuous learning and delivering practical software solutions through collaborative engineering.

Technical Skills

Languages	C++, JavaScript, Python, Java
Front End	React.js, Redux, HTML/CSS, Tailwind CSS
Back End	Node.js, Express.js, FastAPI
Databases	MongoDB, SQL
DevOps and Tools	Docker, Postman, Git

Area of Interest

Data Structures and Algorithms	**Full-Stack Development**
Object-Oriented Programming	**Database Management Systems**

Professional Experience

Software Engineer — Adapt.io   *Dec 2024 – Nov 2025 — Coimbatore*
Technologies: Python, MongoDB, Docker, JavaScript, Java

- Delivered validated **client data** for large-scale pipelines by coordinating with stakeholders and refining data verification workflows.
- Architected scalable asynchronous **web crawlers** processing tens of thousands of domains per day to support enterprise data extraction.
- Engineered a **Chrome extension** to extract domains and LinkedIn URLs, integrating automation scripts for domain validation, MX checks, and database updates—improving contact email validity.
- Containerized **FastAPI** and **MongoDB** services using Docker and deployed them on GCP virtual machines to ensure scalable, reliable, and environment-consistent backend operations for extension process.
- Optimized the contact **refresh pipeline** by implementing a duplicate-skip mechanism, reducing redundant database records by over 10% per refresh cycle.
- Enhanced backend **data processing logic** for employment history updates to ensure consistent synchronization across systems.

Software Engineer Intern — Anvai.ai   *Jun 2023 – Nov 2023 — Remote*
Technologies: Python, Grafana, AWS

- Implemented centralized **logging systems** across multiple product modules to improve observability and reduce debugging time.
- Deployed interactive Grafana dashboards for real-time performance tracking and log visualization.
- Developed an AWS-based **cost analysis dashboard** to highlight resource usage and enable cost optimization.

Projects

PingUp — ⬡ Repository   *Jun 2025*
Technologies: React.js,Zustand,Tailwind CSS,Node.js, Express, MongoDB

- Built a full-stack **real-time chat application** using React and Node.js with seamless messaging, presence indicators powered by Socket.io.
- Configured secure user authentication using **JWT**, added backend API protection with **Arcje**t, and enabled **100%** automated welcome emails using Resend.
- Integrated image upload functionality (up to 10 MB) via **Cloudinary** and designed a clean, responsive UI using **Tailwind CSS**, managing global state with **Zustand**.

PostRest — ⬡ Repository   *Apr 2024*
Technologies: React.js, Material UI,Redux, Node.js, Express.js, MongoDB

- Created a full-stack social platform enabling users to post content, manage connections, and interact via likes and comments.
- Designed a responsive UI with **React.js** and **Material UI**, integrated with Node.js and Express.js APIs.
- Utilized **Redux** for global state management to maintain consistency across the application.

Education

Coimbatore Institute of Technology   *Sep 2020 – Apr 2025 — Coimbatore*
Master of Science in **Decision and Computing Sciences**
CGPA: 8.7 out of 10

Certifications

React JS Development — Scaler | **Node.js Backend Programming** — Udemy