Srikanth Golla

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Professional Summary

Backend Engineer with 2+ years of experience building scalable systems using Node.js, AWS, and Firebase, specializing in high-performance API design (REST/GraphQL) for 10,000+ users, serverless architectures reducing costs by 30-40%, database optimization improving query speeds by 40-60%, and implementing secure authentication systems with 100% breach prevention.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, Python, SQL
- **Backend Development:** Node.js, Express.js, NestJS, RESTful APIs, GraphQL, WebSockets, JWT
- **Cloud & Serverless Platforms:** AWS Lambda, Firebase, Google Cloud Platform (GCP), AWS S3
- **Databases:** PostgreSQL, MySQL, MongoDB, Firestore (NoSQL), Redis
- **DevOps & Tools:** Docker, Git, GitHub, Postman, CI/CD Pipelines, SonarQube, Swagger, JIRA, VS Code, Cursor
- **Testing & Debugging:** Jest, Postman, Chrome DevTools, Logging/Monitoring
- **AI & Automation:** OpenAI APIs, Puppeteer, RAG , LLMs

Experience

Software Engineer, Brainvire Infotech – Ahmedabad, India.   June 2023 - Present

- Led the backend development of **3+ scalable platforms** using **Node.js, PostgreSQL, GraphQL**, and **Firebase**, supporting over **10K+ daily users** with optimized API design and query efficiency.
- Designed and deployed cloud-native architectures on **Google Cloud Platform and AWS**, utilizing **Lambda, S3, Firestore, and Redis** to achieve **<500ms response times** and **99.9% uptime**.
- Engineered **secure authentication and access control** using **Firebase Auth, OAuth 2.0, and App Check**, eliminating unauthorized access incidents and maintaining data integrity at scale.
- Automated operational workflows with **cron jobs**, **cloud functions**, and **DB triggers**, reducing manual effort and ensuring reliable real-time updates across services.
- Integrated **OpenAI** models and built **AI-enabled pipelines** for auto-generating book summaries, embeddings, and dynamic assets, reflecting a strong commitment to exploring and applying **LLMs** and **Generative AI**.
- Continuously upskill in emerging technologies including **LLMs, RAG's, Redis, Puppeteer**, and **AI infrastructure**, applying new knowledge in production environments and demonstrating a strong passion for innovation.

Associate Software Engineer, Brainvire Infotech – Ahmedabad, India.   Jan 2023 – April 2023

- Contributed to the development of **3+ enterprise-grade applications** by collaborating with **frontend, design, and QA teams**, streamlining API workflows and reducing feature delivery time by **25%**.
- Built and optimized **RESTful APIs** using **Node.js** and **Express.js**, reducing server response latency by **40%** for **10K+ monthly active users**.
- Enhanced data performance by redesigning schemas and implementing indexes in **PostgreSQL** and **MongoDB**, decreasing complex query times by up to **35%**.
- Managed and monitored **5+ production databases** with **99.9% uptime**, applying data normalization and efficient structuring to boost retrieval speed by **30%**.
- Secured APIs with **JWT and OAuth 2.0**, enforcing robust access control and preventing all unauthorized access incidents over a continuous 12-month period.

Projects

Sing In Chinese | Node.js, PostgreSQL, Sequelize, React.js, Unity, AWS S3.   [Link]

- Developed an interactive language learning platform using **Node.js** and **PostgreSQL**, delivering gamified lessons with strong user retention and positive learner feedback.
- Designed and deployed backend APIs using **AWS Lambda** and **Express.js**, optimizing queries and caching to reduce response times by **50%**.
- Implemented secure media handling with **AWS S3 pre-signed URLs**, ensuring high availability and encrypted uploads for student-submitted content.
- Built a role-based access system with **multi-level permissions** to manage institutions, teachers, and students effectively, streamlining administrative workflows.
- Automated recurring tasks using **Lambda functions and cron jobs**, improving operational efficiency and reducing manual effort.
- Boosted user engagement with **Firebase Cloud Messaging**, improving daily active participation through targeted push notifications.

Little Eats | JavaScript, Firebase (Auth, Firestore, Cloud Functions), Google Cloud Platform

- Developed a personalized nutrition platform using **Firebase** and **Cloud Functions**, generating meal plans based on user preferences, allergies, and goals.
- Engineered efficient real-time recommendations with **15+ Cloud Functions**, maintaining high accuracy and seamless UX under dynamic conditions.
- Optimized **Firestore** with strategic indexing and schema design, reducing read operations and improving query speed under scale.
- Implemented secure, scalable authentication via **Firebase Auth** and **Firestore transactions**, ensuring conflict-free concurrent access and data integrity.

Brevio-Book summaries | Node.js, PostgreSQL, Knex.js, GraphQL, Firebase, Redis, OpenAI, Puppeteer, GCP.

- Designed **GraphQL APIs** using **Node.js**, **Knex.js**, and **PostgreSQL**, integrating `ts_vector` and `pg_vector` for personalized search and recommendations, serving **10K+ daily users**.
- Engineered secure and scalable backend with **Firebase** (`Auth`, `App Check`, `Firestore`) and **Redis caching**, eliminating unauthorized access and reducing data fetch time by **60%**.
- Built intelligent web scrapers using **Puppeteer** to extract and validate multilingual book records, achieving **98%+ data accuracy** with automated validation.
- Integrated **OpenAI models** to generate full book content, summaries, embeddings, and dynamic cover images, automating creative workflows and enhancing content quality.
- Optimized media delivery via **Google Cloud Storage** and **GCP CDN**, maintaining consistent **<500ms load times** for media assets like book covers and audio.
- Implemented robust infrastructure features including **DB replication**, **cron jobs**, **payment handling**, and **DB triggers** to ensure high availability, automation, and accurate analytics tracking.

Education

Vidya Jyothi Institute of Technology, Hyderabad, B.tech in ECE.   July 2018 – Aug 2022

- CGPA: 8.05

Achievements

- Scaled API to 50K+ monthly users, cut latency by 50%
- Maintained 99.99% database uptime, boosted speeds by 30%
- Automated workflows saving 40+ hours weekly (20% efficiency gain)