

# Sreerag Subhash

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Kerala, India — [linkedin.com/in/sreerag-subhash](https://www.linkedin.com/in/sreerag-subhash) — Portfolio

## Professional Summary

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React Full Stack Developer with 3+ years of experience designing and deploying scalable web applications using React.js, Next.js, Node.js, and microservices architecture. Strong expertise in Azure cloud deployment, containerized infrastructure, distributed background job processing, and high-performance API design. Proven experience building production systems with MSSQL and MySQL, implementing asynchronous processing using Redis and BullMQ, and maintaining applications serving 100+ active users with high availability and performance.

## Technical Skills

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**Frontend:** React.js, Next.js, Redux, HTML5, CSS3, Tailwind CSS, Responsive Design

**Backend:** Node.js, Express.js, Fastify, REST APIs, Microservices, WebSockets

**Databases:** MSSQL, MySQL, Relational Database Design, Query Optimization

**Cloud & DevOps:** Microsoft Azure, Azure Container Apps, Docker, CI/CD, Containerization, Production Deployment

**Asynchronous Systems:** Redis, BullMQ, Background Job Processing, Event-driven Architecture

**Programming:** JavaScript, TypeScript, Python

**Tools:** Git, Postman, Stripe, LiveKit

## Professional Experience

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### Full Stack Developer — DIGITRELL

- Developed scalable full stack applications using React.js, Node.js, Express.js, and MSSQL.
- Played a major role in building a large-scale quality testing platform for DrinkPak enabling automated execution and monitoring workflows.
- Designed high-performance REST APIs and optimized database queries improving system responsiveness.
- Implemented asynchronous background job processing using Redis and BullMQ for distributed task execution.
- Deployed containerized worker and API services on Azure Container Apps ensuring high availability and scalability.
- Managed production infrastructure supporting 100+ active users with reliable system performance.
- Built microservices architecture enabling independent scaling of API and worker services.
- Implemented monitoring, logging, and CI/CD pipelines for production deployments.

### Product Engineer — SB Technologies

- Developed enterprise internal platforms using Next.js and Fastify.
- Designed scalable backend services and REST APIs for employee management systems.
- Optimized API performance reducing average response time by 50%.
- Delivered systems supporting 1,000+ users with stable performance.

### Software Engineer — Tutorcomp Inc

- Built full stack web platforms using Next.js, Fastify, and MySQL.
- Designed scalable architecture for online learning systems handling 5K+ monthly live sessions.
- Developed real-time collaboration and video streaming features.
- Integrated secure payment systems and optimized backend performance.
- Implemented modular microservices improving system maintainability and scalability.

### AI/ML Data Science Intern — TLS Innovisions

- Built machine learning models using Python and scikit-learn.
- Performed data preprocessing and predictive model development.

## Projects

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**Tutorcomp Platform** — React.js, Node.js, MySQL, LiveKit

- Scalable SaaS platform supporting real-time video learning and class scheduling.

**Connect App** — Next.js, Fastify, Excalidraw

- Real-time collaboration system with shared whiteboard and live interaction.

**Mobile Purchasing Application** — React Native, Node.js, MySQL, Stripe

- Secure mobile commerce application with payment integration.

## Education

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**B.Tech in Computer Science** APJ Abdul Kalam Technological University, Kerala 2017 – 2021

**Master Certification in Data Science, ML and AI** TLS Innovisions, Chennai 2025

## Certifications

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AWS Fundamentals — Coursera Python for Data Science — IBM AI and Data Science Certification — TLS Innovisions Silver Elite Certification in Python — NPTEL Data Structures — Coursera Programming for Everybody — Coursera Mastering Git Workshop — DRISHTI