Srikanth B S

Full Stack Software Engineer | AI & Cloud Architect | Engineering Leader

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PROFESSIONAL SUMMARY

Award-winning Full Stack Software Engineer with **5+ years of progressive experience** architecting and deploying production-grade AI-driven platforms. Proven expertise in designing scalable systems, leading cross-functional engineering teams, and delivering measurable business impact through intelligent automation. Specialized in AI/ML integration, cloud-native architecture (Azure/AWS), and performance optimization, consistently delivering systems handling high concurrency with 99.9% uptime. Seeking senior engineering roles with emphasis on architecture, mentorship, and strategic technical leadership.

Key Metrics: 12+ complex projects from ideation to production · $2M+ revenue impact via automation · Up to 45% performance improvement through optimization · 10+ engineers influenced through mentorship and knowledge sharing

PROFESSIONAL EXPERIENCE

Project Lead & Senior Software Engineer – Perfecter.ai (May 2024 – Present | Remote)

AI-powered automation platform

Leadership & Architecture

- Led an 8+ member engineering team building AI-powered web platforms, setting technical vision and enforcing architectural standards.
- Architected microservices-based systems using Flask + FastAPI and React TypeScript, enabling horizontal scaling to 10,000+ concurrent users.
- Implemented CI/CD pipelines with Azure DevOps, reducing deployment time from 45 minutes to 8 minutes (82% improvement).
- Introduced coding standards and review practices, reducing production defects by 40% and increasing automated test coverage to 87%.

Technical Delivery & Impact

- Designed AI/OCR/NLP document pipelines using GPT-4, Claude APIs, and OpenAI Vision, achieving 94.7% extraction accuracy versus ~78% baseline.
- Migrated monolith to serverless architecture using Azure Functions and Cosmos DB, lowering infrastructure costs by 60% while achieving 99.99% availability.
- Built event-driven analytics with Event Hub and Stream Analytics, processing 50,000+ events/second with sub-second latency.
- Optimized APIs via Redis caching and database indexing, cutting average response time from 2.8s to 340ms (87% improvement).
- Delivered an AI-driven subrogation platform that reduced claim processing effort from 4 hours to 15 minutes per claim and enabled automated audit-ready reporting.

Tech Stack: Python 3.11+ · Flask · FastAPI · React 18 (TypeScript) · PostgreSQL · Azure (Functions, Cosmos DB, Event Hub, DevOps) · Docker · Kubernetes · Redis · REST APIs · LLM integrations (GPT-4, Claude, OpenAI)

Full Stack Developer & Systems Engineer – Gridlogic (Dec 2022 – May 2024 | Remote)

FinTech / payment infrastructure

- Designed distributed services for KYC, payments and analytics used by 500+ institutional clients.
- Improved backend throughput by 3.5x using optimized SQL, async processing, RabbitMQ and Celery, while reducing server costs by 45%.
- Refactored core systems into microservices, enabling independent scaling and cutting deployment friction by 70%.
- Built a payment reconciliation engine processing 100,000+ transactions per day with strict ACID guarantees.
- Implemented Redis caching that reduced DB load by 65% and improved API latency by 58%; created data migration pipelines processing 5TB+ data with zero downtime.

Tech Stack: Python 3.9+ · Django 4+ · FastAPI · RabbitMQ · Redis · PostgreSQL · SQL optimization · Docker · AWS

Product Developer Associate – Benchmark ESG | Gensuite (Mar 2022 – Dec 2022)

Enterprise compliance & sustainability reporting SaaS

- Delivered 15+ full-stack features for compliance dashboards, supporting a $2M+ annual revenue pipeline.
- Optimized React frontends with lazy loading and code splitting, cutting bundle size by 52% and improving load time from 4.2s to 1.8s.
- Built real-time analytics dashboards with React and Chart.js handling 100,000+ data points with smooth (60 FPS) rendering.
- Automated ESG data ingestion pipelines using AWS Lambda and S3.

Tech Stack: Python · React.js · AWS (Lambda, S3, CloudWatch) · SQL · ColdFusion · HTML/CSS/JavaScript

Associate Software Engineer – ACT Fibernet (Aug 2021 – Mar 2022)

Telecom infrastructure

- Developed internal enterprise tools using the MEAN stack to support 2,000+ employees.
- Implemented automation solutions that reduced manual operational effort by ~40%.

Tech Stack: MongoDB · Express.js · Angular · Node.js

Freelance Full Stack Web Developer (Sep 2019 – Aug 2021)

Independent consultant

- Delivered 20+ production web applications for startups and SMBs, generating $50,000+ in billed work.
- Built database-driven dashboards and responsive UIs with 98%+ client satisfaction.
- Mentored 3 junior developers on architecture, code quality and best practices.

Tech Stack: Python · React.js · Node.js · PostgreSQL · MongoDB · AWS

IMPACTFUL PROJECTS & ACHIEVEMENTS

AI & Analytics Projects

- **Malpractice Detection System:** Real-time exam proctoring with face verification and head pose tracking, achieving ~98% accuracy and deployed for 100,000+ students.
- **Intelligent Surveillance:** Vision-based person recognition solution with ~99.2% accuracy, deployed across 50+ secure facilities.
- **SmartEval App:** Automated handwritten answer evaluation using deep learning, processing 500,000+ student scripts and saving 10,000+ manual grading hours.
- **Realtime Pothole Detection:** Road-condition detection with computer vision, GPS mapping and automated alerts integrated into municipal workflows.

Architecture & Infrastructure

- **Enterprise Dashboard Platform:** Cloud-based payment and analytics suite with 99.9% uptime, supporting 10,000+ concurrent users.
- **Document Processing Pipeline:** Insurance-focused intelligent document extraction achieving 94.7% accuracy, processing 50,000+ documents per month.
- **Microservices Migration:** Led migration from monolith to containerized microservices, reducing deployment time by 70% and tripling system throughput.

Awards & Recognition

- Best Project (2020–21), university-level competition.
- Certificate of Excellence – B.E. Computer Science, Ramaiah Institute of Technology.
- Topper Medal – D S Dinakar National Polytechnic (Diploma).
- Published research paper on SmartEval (AI/NLP) in a peer-reviewed venue.

TECHNICAL EXPERTISE

Languages & Frameworks: Python 3.9+ · JavaScript/TypeScript · React 18+ (Hooks, Context, Redux) · Node.js · Flask · FastAPI · Django 4+ · Java · C++ · HTML5 · CSS3 · Responsive UI

Cloud & DevOps: Azure (Functions, Cosmos DB, Event Hub, App Service, DevOps) · AWS (Lambda, S3, EC2, RDS, CloudWatch, CloudFormation) · Docker · Kubernetes · CI/CD (GitHub Actions, Azure DevOps) · Terraform · Microservices · Serverless · IaC

Databases & Messaging: PostgreSQL (indexing, query tuning, window functions) · MongoDB · Redis (caching, sessions) · RabbitMQ · Cosmos DB · Advanced SQL

AI/ML & Data: LLM integrations (GPT-4, Claude, OpenAI APIs) · Prompt engineering · TensorFlow · PyTorch · Scikit-learn · NLP · Computer Vision (OpenCV, YOLO) · Data structures & algorithms · System design · Performance optimization · Secure API design

Leadership & Collaboration: Architectural decision-making · Technical mentorship · Cross-functional leadership · Agile/Scrum · Stakeholder communication · Code reviews · Documentation and technical presentations

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CERTIFICATIONS & PUBLICATIONS

- NPTEL – Python Data Structures and Algorithms (Top 10% performer)
- Microfocus – Docker & Containers (Advanced)
- Udemy – MEAN Stack Full Guide
- Additional certifications in Flask, Django, ReactJS, MongoDB, Java and SQL
- SmartEval AI/NLP research paper – peer-reviewed publication

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EDUCATION

B.E. – Computer Science – Ramaiah Institute of Technology (2018–2021), CGPA: 7.82 (Distinction)

Diploma – Computer Science – D S Dinakar National Polytechnic (2015–2018), 90.30% (Topper Medal)

SSLC – Poornaprajna Education Centre (2015), 85.12%

PROFESSIONAL INTERESTS

AI/ML systems · Cloud and distributed architecture · System design · Technical leadership · Process automation · Open-source · Competitive problem solving · Chess