

ARUNAV SAXENA

+91 - 9585600251 arunavsaxena@icloud.com

LinkedIn

Software Engineering professional with nearly 7 years of experience in backend development, system architecture, and team leadership. Proven expertise in Ruby on Rails, Microservices, Cloud Technologies, and scalable product development, with additional experience in Angular and React. Targeting Backend Lead, Technical Lead, or Engineering Manager roles to drive technical excellence, team growth, and business impact.

Core Competencies

- Software Development Life Cycle
- User Experience Design
- System Architecture
- Performance Optimization
- Agile Project Management
- Cross-Functional Team Dynamics
- Cloud Infrastructure Management
- Data-Driven Decision Making
- Continuous Integration and Deployment
- Quality Assurance Processes

Education

- Bachelor of Technology (B.Tech.) in Computer Science & Engineering** | Vellore Institute of Technology (VIT), Vellore | 2019

Certifications

- Microsoft Technology Associate (MTA):** Introduction to Programming Using Java (98-388)

Personal Details

- Date of Birth:** 12 December 1997
- Languages Known:** English, Hindi
- Current Location:** Gurugram

Profile Summary

- Core experience in **Backend Engineering, Distributed Systems, AI/LLM Solutions, Cloud Technologies, and Technical Leadership** across HealthTech, EdTech, and FinTech domains, currently leading a team of 15 engineers at Ultrahuman.
- Spearheaded the development of a **Multi-Agent AI Investigation Platform**, automating 815 investigations in 102 days with a **95.7% completion rate** and **87.4% approval rate**, considerably enhancing operational efficiency and incident resolution.
- Led the growth of **Blood Vision** from launch to a **\$1.12M revenue-generating platform**, driving **19x revenue growth**, 7,251 purchases, and 10,668 subscriptions through successful product expansion and payment ecosystem integration.
- Delivered impactful engineering initiatives including **AI-Powered PR Review Automation, Zero-Downtime Data Migrations, Distributed Processing Pipelines, and Performance Optimization**, improving scalability, reliability, and developer productivity.
- Expertise in **Ruby on Rails, Microservices, AWS, AI/LLM Engineering, Stripe Integrations, Kafka, PostgreSQL, MongoDB, Redis, Docker, CI/CD, and Cloud-Native Architectures**.
- Known for **People Leadership, Stakeholder Management, Cross-Functional Collaboration, Mentoring**, and translating complex business requirements into scalable technology solutions.

Technical Skills

- Programming Languages:** Ruby, Java, SQL, JavaScript, TypeScript, HTML, CSS
- Frameworks & Technologies:** Ruby on Rails 7.1, Angular, REST APIs, Spring Boot, Spring MVC, Hibernate, JPA
- Databases & Caching:** MySQL, PostgreSQL, MongoDB (Mongoid), TimescaleDB, Redis, ClickHouse, DB2
- AI & LLM Technologies:** OpenAI API, Anthropic Claude API, AWS Bedrock, Multi-Agent Tool-Use Pipelines, Prompt Engineering, Extended Thinking
- Cloud & Infrastructure:** AWS (EC2, EBS, ASG, SigV4), Docker, Sidekiq Pro, Karafka (Kafka), WebSphere Application Server
- Payments & Integrations:** Stripe, Razorpay, RevenueCat, CRM Integrations, Webhooks & Subscription Management
- Monitoring & Observability:** New Relic APM, Honeybadger, OpenSearch, AppDynamics, Splunk
- CI/CD & Development Tools:** GitHub Actions, Jenkins, Git, Jira, Maven, SonarQube, RSpec, FactoryBot, Ansible, Artifactory, XL Release, Putty
- Development Practices:** Object-Oriented Programming (OOP), Design Patterns, Test-Driven Development (TDD), API Development & Integration, Microservices Development, Code Review & Mentoring

Work Experience

Ultrahuman | Engineering Manager Feb 2025 – Present

- Leading a team of **15 Backend Engineers** (2 direct reports), driving sprint planning, delivery governance, stakeholder alignment, production support, and onboarding of **3 Engineering Leads** while standardizing execution workflows across the backend organization.
- Architected and deployed a **multi-agent AI-powered on-call investigation platform** integrating Anthropic Claude, OpenAI, AWS Bedrock, GitHub Search, OpenSearch, telemetry systems, and internal data services, successfully completing **815 investigations in 102 days** with **95.7% completion, 87.4% approval, and 81.1% first-pass accuracy**.
- Built the **Forge AI automation ecosystem**, enabling autonomous code-fix generation across Backend, iOS, and Android platforms, delivering **41 automated PRs, 189 engineering tasks**, and a **94.2% task success rate**.
- Developed **ultrahuman-lens**, an AI-powered PR review platform adopted across multiple repositories, reviewing **575+ pull requests**, achieving a **91.1% merge rate**, and processing nearly **50 code reviews daily**.
- Directed the growth and technical roadmap of **Blood Vision**, transforming the platform from launch stage to **\$1.12M revenue, 7,251 purchases, 10,668 subscriptions, and 19x revenue growth**, establishing it as a major business line.

- Spearheaded the **US market launch** of Blood Vision by implementing Stripe-based subscription commerce, dual-payment gateway architecture, state-based pricing, and webhook automation, driving the transition from zero US revenue to the dominant revenue-generating region.
- Modernized health data infrastructure through distributed processing frameworks, parallel DAG execution, zero-downtime MongoDB-to-MySQL and TimescaleDB migrations, and production-scale monitoring across datasets exceeding **300M+ records**.
- Delivered critical platform reliability and security improvements by resolving payment concurrency issues, OAuth authentication failures, API bottlenecks, data-isolation defects affecting **552 users**, and recurring production incidents while enhancing observability through New Relic, OpenSearch, and AI-enabled operational tooling.

Coding Ninjas | Software Development Engineer 3

Sep 2021 – Oct 2024

- Led architecture and development of business-critical learning platform capabilities, translating product vision into scalable technical solutions while coordinating execution across engineering and product stakeholders.
- Delivered a gamified **weekly leaderboard platform** serving **70,000+ learners**, contributing to a **15% increase in weekly user engagement**.
- Designed and implemented an automated evaluation framework for Frontend and React projects, processing **10,000+ assessments daily** and considerably improving operational efficiency.
- Architected and scaled a live learning platform supporting **2,000+ concurrent students**, ensuring high availability, performance, and seamless classroom experiences.
- Integrated Freshsales CRM and developed an AI-powered doubt-resolution assistant that autonomously resolved **55% of student queries** while maintaining a **4.55/5 user satisfaction rating**, resulting in a **20% increase in placement-related job postings**.

BA Continuum India (Bank of America) | Software Engineer 1B

Jun 2019 – Sep 2021

- Integrated SonarQube into local development workflows, reducing code-quality validation turnaround time by approximately **6 hours** and improving engineering productivity.
- Developed and supported enterprise-scale banking applications using Java, Spring technologies, and service integration frameworks in a highly regulated environment.
- Collaborated with cross-functional teams to enhance application stability, performance, and operational efficiency across critical banking systems.
- Submitted a **Natural Language Processing (NLP) patent application**, showcasing innovation and contributing to the organization's technology advancement initiatives.

MPower Softcomm | Technical Intern

Dec 2018 – Apr 2019

- Supported software development, testing, and application enhancement activities while gaining hands-on experience in enterprise software engineering practices.
- Assisted in debugging, feature implementation, and production support initiatives, building a strong foundation in application development and problem-solving.