RAHUL SANAP

Senior Full-Stack Engineer | Frontend Architect | AI Application Developer
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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer and Frontend Architect with 10+ years of experience designing and scaling high-performance web and mobile applications using React, Angular, Node.js, and Java (Spring Boot). Recently focused on building AI-powered developer tools and products — integrating LLMs, RAG pipelines, and intelligent automation into production systems. Experienced in leading micro-frontend and microservices architectures, API design (REST/GraphQL), and AWS cloud solutions, with deep expertise in CI/CD automation, database optimization, and cross-functional team leadership. Passionate about building resilient, user-centric, and AI-driven systems that drive real business impact.

Creator of TubeGuruji — a YouTube channel and developer community where I have built and published **180+ full-stack projects** including **50+ AI projects**, teaching React, Next.js, and AI application development to thousands of developers.

TECHNICAL SKILLS

AI / ML: OpenAI & Anthropic APIs, LangChain, RAG (Retrieval-Augmented Generation), Vector Databases (Pinecone, pgvector), Prompt Engineering, LLM Integration, AI Agents, Hugging Face, Embeddings, Semantic Search

Programming Languages: JavaScript, TypeScript, Java, Python, C, C++, C# (.NET), Prolog

Web Technologies: React, React Native, Angular 2–16, Next.js, Node.js, HTML5, CSS3, PHP, Vite, Tailwind CSS, GraphQL, JSON, Spring Boot

Frameworks / UI: Angular, Ionic, Bootstrap, Angular Material, ShadCN, GetUIKit, Redux, React Query

Databases: MySQL, Oracle 8i/9i, SQL Server, MongoDB, Firebase, Supabase, PostgreSQL

Cloud & DevOps: AWS (S3, EC2, RDS, CloudFront), Docker, Kubernetes, Jenkins, Terraform, Kafka, GitHub Actions, OpenShift, Ansible

Tools: Git, Jira, Bitbucket, Figma, Visual Studio / VS Code, Android Studio, Eclipse, NetBeans, Chrome DevTools

Other: Game Development, Augmented Reality App Development, WordPress, OpenCart

PROFESSIONAL EXPERIENCE

Software Developer — Client: Eastdil Secured (via Commpunel Tech)**June 2024 – Present**

Technologies: *React, Node.js, TypeScript, .NET Core (C#), GraphQL, MySQL / Oracle (PL/SQL), OpenAI & Anthropic APIs, LangChain, RAG.*

- Building Portal and Dataroom — client and investor-facing applications used to manage financial property deals, documents, and transactions across the real estate investment lifecycle.
- Developed secure, role-based dashboards and workflows for clients and investors to review deals, share confidential documents, and track deal progress in real time.
- Built responsive, cross-platform UIs in React and maintained the React Native mobile app, delivering a consistent experience across web and mobile.
- Designed and optimized REST & GraphQL APIs and backend services in Node.js and .NET, integrating with MySQL/Oracle databases handling large volumes of deal and property data.
- Built internal AI developer tools and an AI-powered PR review assistant using LLM APIs, automating code feedback and speeding up the review process for the team.
- Created an AI agent that auto-generates Storybook stories from React components and AI tooling for DevOps/CI-CD flows (log analysis, PR summaries, deployment checks).
- Collaborated in Agile teams, managing pull requests and delivering regular releases with a focus on performance, security, and code quality.

Software Developer — Client: Bank of America (via Randstad Digital)**June 2023 – May 2024**

Technologies: *React, Node.js, SQL, React Native, GraphQL, Material UI, Git, REST API, Jenkins, OpenShift, Ansible, Kubernetes.*

- Engineered scalable full-stack applications using React, Node.js, and Spring Boot, supporting a large active user base with high availability.
- Built responsive React UIs and maintained a React Native app, improving user engagement and app stability.
- Developed microservices with Spring Boot and implemented micro-frontend architecture, improving modularity and deployment speed.

- Optimized MySQL & Oracle (PL/SQL) databases, improving query performance across large datasets.
- Ensured code quality with Jest and integration testing, significantly reducing production bugs.

Software Developer — Client: Wells Fargo (via Randstad Digital)**May 2021 – May 2023**

Technologies: *Angular, Node.js, Java Spring Boot, SQL, Kendo UI, Tailwind CSS, Git, REST API, AWS S3, CloudFront, EC2.*

- Led frontend architecture & UI team (4–6 engineers), delivering scalable Angular (10–14) applications and accelerating feature delivery.
- Migrated to Angular 14, improving performance and reducing code redundancy through reusable components.
- Engineered REST/SOA APIs with Node.js & Spring Boot, handling high volumes of monthly requests with low latency.
- Architected micro-frontend solutions and deployed on AWS (EC2, S3, RDS, CloudFront), ensuring reliable, high-performance delivery.

Angular Developer — Empowered Benefits**Feb 2020 – Apr 2021**

Technologies: *Angular, Node.js, Java Spring Boot, React, React Native, SQL, Bootstrap, Git, REST API, PEGA, Third-Party API Integration.*

- Developed and scaled Aflac Everwell 2.0 using Angular, React, and TypeScript, supporting a large user base and improving feature adoption.
- Architected micro-frontend solutions, enabling independent deployments and faster release cycles.
- Integrated third-party services (Pega chat, co-browsing), improving customer engagement and real-time support.
- Leveraged AWS (EC2, S3, RDS, CloudFront) and Agile practices to deliver frequent, reliable releases.

Software Developer — Western Illinois University**Aug 2018 – Dec 2019**

Technologies: *Angular 8, PHP, HTML5, CSS3, Bootstrap, TypeScript, Java, JSON, Python.*

- Built dynamic, responsive web applications using React, Angular, and TypeScript, serving a large user base with strong UI performance.
- Developed reusable component libraries and Redux state management, reducing code redundancy and improving maintainability.
- Developed cross-platform mobile apps (React Native, Ionic) with real-time chat, push notifications, and maps.
- Implemented authentication, third-party integrations, and web scraping (Python, BeautifulSoup) across .NET, SQL Server, and Oracle.

Full Stack Developer — E2matrix**Feb 2017 – Jul 2018**

Technologies: *Angular 8, PHP, Ionic, React, React Native, HTML5, CSS3, Bootstrap, TypeScript, Java.*

- Developed and launched new UI features using Angular, JavaScript, HTML5, and CSS3, improving overall user engagement.
- Built reusable components and libraries, reducing development effort and accelerating feature delivery.
- Engineered dynamic Angular forms, navigation, and validation, improving user-flow efficiency.
- Designed and optimized SQL stored procedures and triggers, improving data-processing performance.

Junior Angular Developer — Cognizant Technology Solutions**Mar 2016 – Feb 2017**

Technologies: *Java, Angular, J2EE (JSP/Servlets), Spring Framework, MySQL, REST/SOAP APIs, JSON/XML.*

- Delivered end-to-end web applications across the SDLC using Java, Angular, and J2EE, supporting large-scale data with high reliability.
- Built data-driven UIs (Angular, AJAX, jQuery) and consumed REST/SOAP APIs, supporting a high volume of monthly transactions.
- Engineered scalable backend solutions (JPA, JSP, Servlets, MySQL), optimizing queries and deploying on JBoss with strong uptime.

EDUCATION

Western Illinois University — M.S., Computer Science (GPA: 4.0/4.0)**Aug 2018 – Dec 2019**

Savitribai Phule Pune University — B.E., Computer Engineering (GPA: 3.5/4.0)**Aug 2011 – May 2015**

PROJECT LINKS

Portfolio / YouTube: tubeguruji.com | youtube.com/@tubeguruji **Code:** github.com/rrs301 | gitlab.com/rrs301