

ATUL RAJ

Senior Full Stack Engineer | React.js | Next.js | Node.js | Java | Python | AWS | AI

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Senior Full Stack Engineer with 10+ years of experience building scalable enterprise applications across frontend, backend, and cloud platforms. Expertise in React.js, Next.js, TypeScript, JavaScript, Node.js, Python (FastAPI), Java (Spring Boot), AWS, and Azure. Experienced in designing modern web architectures, developing REST and GraphQL APIs, implementing secure authentication and authorization, and delivering high-performance applications in Agile environments. Passionate about solving complex engineering problems, driving technical excellence, mentoring developers, and building scalable software that delivers measurable business value.

Professional Summary

- 10+ years of experience in Full Stack Software Development with expertise in React.js, Next.js, TypeScript, JavaScript, Node.js, Python (FastAPI), Java, and Spring Boot.
- Strong experience designing scalable frontend architecture, reusable component libraries, responsive user interfaces, and enterprise-grade web applications.
- Hands-on experience developing RESTful APIs, GraphQL services, microservices, authentication, authorization (RBAC), and secure application workflows.
- Experience working with AWS (EC2, S3, RDS, IAM, Route53, Elastic Beanstalk, Amplify) and Microsoft Azure (Azure AI Services, Azure AI Document Intelligence, Cosmos DB) to build cloud-native applications.
- Strong understanding of PostgreSQL, MongoDB, Cosmos DB, SQL optimization, API integrations, and enterprise application architecture.
- Experienced in performance optimization, code reviews, mentoring engineers, Agile/Scrum development, CI/CD pipelines, GitHub Actions, and cross-functional collaboration.
- Passionate about modern software engineering, scalable system design, AI-powered application development, and delivering high-quality solutions that improve business outcomes.

Career Timeline

Apr 2021 - Present	Senior Consultant Hitachi Vantara
Jun 2019 - Mar 2021	Software Engineer Revvsales Inc.
Jul 2017 - May 2019	Software Engineer Indpro AB
Dec 2015 - Jun 2017	Software Developer Argons Technology Pvt Ltd

Work Experience

Apr 2021 - Present	Senior Consultant Hitachi Vantara (Bangalore Urban, Karnataka, India) - Led the migration of legacy systems to modern microservices architecture, improving scalability, reliability, and performance. - Architected frontend solutions using React.js, TypeScript, and modern UI frameworks, supporting enterprise-scale applications. - Spearheaded frontend architecture decisions, ensuring consistency, reusability, and long-term maintainability. - Delivered complex UI modules for large-scale platforms such as PMMS (Nintendo of America) and JSSI Elevate.
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Soft Skills

- Communication
- Technical Leadership
- Problem Solving
- Team Collaboration
- Mentoring

Technical Skills

React.js	████████
Next.js	████████
JavaScript (ES6+)	████████
TypeScript	████████
Node.js (Express.js, NestJS)	████████
Python (FastAPI)	████████
Spring Boot	████████
GraphQL	████████
AWS	████████
Azure AI Services	████████

Core Competencies

- Full Stack Development
- Frontend Architecture
- Microservices
- Cloud Application Development
- System Design
- API Design & Integration
- Technical Leadership
- Agile Delivery

Education

- Bachelor of Engineering - BE**
Vinayaka Mission's Research Foundation - University

Achievements

- Played a key role in the architecture and successful launch of aayumed.com, driving a 30% increase in user engagement and significantly improving customer satisfaction.

- **Designed advanced data grids and dynamic multi-level forms** using **Next.js** and **Material-UI**, improving data visibility and usability.
- **Collaborated** with **global cross-functional teams** including product owners, UX designers, QA, and backend engineers.
- **Mentored** and **guided development teams**, conducting **code reviews**, enforcing best practices, and driving technical excellence.
- **Ensured high-quality releases** through testing strategies, performance optimization, and adherence to Agile methodologies.

Jun 2019 - Mar 2021

Software Engineer

Revvsales Inc. (Bangalore)

- **Designed** and **developed high-performance React.js applications**, enhancing user experience and workflow efficiency.
- **Implemented GraphQL-based data fetching and mutations**, significantly reducing API latency and frontend load times.
- **Strengthened application reliability** by developing **unit and integration tests** using **Jest** and **React Testing Library**.
- **Collaborated** in **Agile ceremonies** including sprint planning, stand-ups, and retrospectives to ensure timely delivery.
- **Contributed** to **backend development** using **Java** and **Spring Boot**, enabling seamless full-stack feature delivery.
- **Reviewed** and **maintained code quality** through **pull request reviews**, enforcing best practices and standards.
- **Mentored junior engineers**, accelerating team productivity and fostering a culture of continuous learning.

Jul 2017 - May 2019

Software Engineer

Indpro AB (Bangalore)

- **Engineered scalable frontend solutions** using **JavaScript** and **React.js**, improving application usability and maintainability.
- **Translated complex business requirements** into intuitive and user-friendly UI workflows aligned with UX best practices.
- **Integrated RESTful APIs** with frontend components to ensure smooth data flow and real-time UI updates.
- **Enhanced application responsiveness and accessibility** using modern CSS techniques and semantic HTML.
- **Refactored** legacy UI codebases into **component-driven architecture**, improving performance and reducing technical debt.
- **Collaborated** with **cross-functional teams** including designers, QA, and backend engineers to deliver high-quality releases.
- **Ensured consistent UI behavior and stability** through systematic testing and proactive bug fixes.

Dec 2015 - Jun 2017

Software Developer

Argons Technology Pvt Ltd (Bangalore Urban, Karnataka, India)

- **Developed responsive web interfaces** using **HTML**, **CSS**, **Bootstrap**, and **AngularJS**, ensuring cross-browser compatibility and optimal performance.
- **Implemented frontend features** for enterprise web applications by translating **functional requirements** into scalable UI components.
- **Collaborated** with **backend teams** to integrate **JSP-based server logic** with frontend views for seamless data rendering.
- **Optimized UI performance and load times** by improving DOM structure and minimizing redundant client-side operations.
- **Maintained code quality and reusability** through structured coding standards and modular component design.
- **Supported application debugging and issue resolution**, reducing UI defects and improving overall user experience.
- **Adapted** quickly to **agile development workflows**, contributing effectively to sprint deliverables and project milestones.

Projects

Enterprise Digital Transformation Initiatives — Hitachi Energy

- Contributed to multiple **enterprise digital transformation initiatives** at **Hitachi Energy**, including **ACE**, **Sustainability**, **Rebranding**, and **Cost Capability Center** platforms.
- Designed and developed **scalable enterprise web applications** using **Next.js**, **JavaScript**, and **Python**, focusing on **reusable UI components**, responsive experiences, and **maintainable architecture**.
- Collaborated with **global cross-functional teams** including product owners, UX designers, backend engineers, and QA to deliver **business-critical features** and high-quality releases.
- Leveraged **Azure AI Foundry**, **Azure OpenAI Service**, and **Azure AI Document Intelligence** to support **intelligent document processing**, **data extraction**, **workflow automation**, and **AI-assisted business applications**.

- Integrated **AI capabilities** with enterprise applications to improve **operational efficiency, decision-making, and user productivity**.
- Contributed to **application performance, technical architecture, API integration, code quality, and Agile delivery** across multiple enterprise initiatives.

Elevate - JSSI (Aircraft Maintenance Support & Financing Company)

- **Played a key role** in building and enhancing the **JSSI Elevate platform**, focusing on **scalable and user-focused frontend development** using **Next.js**.
- **Owned the development** of **critical functional modules** such as **Standard Cost and Workplan**, essential to the platform's core business operations.
- **Architected and implemented** a **three-level editable data grid**, improving **data clarity**, usability, and interaction for complex hierarchical datasets.
- **Built flexible, multi-step dynamic forms** using **Material-UI (MUI)** to support customizable and efficient **data entry workflows**.
- **Partnered closely** with **UX designers and backend teams** to ensure seamless **API integration** and consistent application behavior.

PMMS Project- NOA (Nintendo of America)

- Created and delivered clean, intuitive user interfaces using React.js, improving overall user experience and enhancing user productivity.
- Optimized frontend data operations by implementing GraphQL queries and mutations, resulting in faster API responses and improved application performance.
- Developed comprehensive unit and integration tests using React Testing Library and Jest, increasing test coverage and reducing production issues by over 30%.
- Expanded into full-stack responsibilities by contributing to backend development with Java and Spring Boot, improving API efficiency and data handling.
- Worked closely with UI/UX designers, QA teams, and backend engineers to ensure smooth and high-quality feature releases.
- Guided junior developers through mentorship and pull request reviews, maintaining code standards and strengthening team capability.