

# Aditya Chebrolu

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## WORK EXPERIENCE

### BAJAJ FINSERV HEALTH LIMITED

Pune

#### SOFTWARE DEVELOPMENT ENGINEER 2

October 2023 - Present

- Tech stack : **JavaScript/TypeScript, Next.js, NestJS, Microservices, Strapi CMS, Redis / Lua, ELK and Kafka**
- Additional exposures: **Docker, Kubernetes, CI/CD pipelines, Event-driven architecture,**
- Successfully **migrated** one of the backend services from **Express.js** to **NestJS** for improved structure and scalability.
- Successfully transitioned the module owned by our squad from a **monolithic** architecture to a **microfrontend** structure, enabling independent development and releases.
- Gained exposure to Docker, Kubernetes, and deployment pipelines, enhancing DevOps knowledge.
- Created ELK dashboards to quickly identify and fix API issues, reducing the number of bugs per story point to less than 0.1.
- Implemented dynamic doctor availability system using Strapi CMS, enabling product managers to make real-time updates for leaves and holidays without code changes.
- **Mentored** junior team members, fostering knowledge sharing and promoting best practices in software development.

#### SOFTWARE DEVELOPMENT ENGINEER

July 2022 - September 2023

- Tech stack : **Javascript/Typescript, React, Next.js and ELK**
- Achieved a **45% reduction in Lines of Code** by creating reusable components and logic, while significantly improving cognitive complexity and adhering to coding standards.
- Improved Page **Core Web Vitals (CWV)** from 40 to over 85 for mobile and over 95 for desktop.
- Implemented defensive CSS throughout the website pages.
- Significantly improved SEO, boosting the website to a top spot on the first page of Google search results.
- Reduced the number of unnecessary API calls to the backend, thereby improving the performance of the page.
- Authored detailed test cases for each component, ensuring thorough evaluation and validation of system functionality.
- Enforced coding practices to reduce cognitive complexity, leading to faster and more efficient coding for future tasks.

## SKILLS

**Languages:** JavaScript, TypeScript, Java, HTML, CSS

**Frontend Technologies:** React, Next.js, Astro, Tailwind CSS

**Backend Technologies:** Node.js, NestJS, Spring Boot

**Databases:** MongoDB, Redis

**Message Brokers:** Kafka

**Build Tools:** Webpack

**Version Control:** Git

**DevOps & CI/CD:** Azure DevOps

## EDUCATION

### Bachelors of Technology in Computer Science and Engineering

Amaravathi, AP | Jul 2022

VELLORE INSTITUTE OF TECHNOLOGY

8.65/10