

S P Adharsh

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[Portfolio](#) | [Linkedin](#) | [Github](#)

ABOUT ME

My enthusiasm for evolving technologies drives me to continually expand my knowledge and skills. In my three years of experience in software development as a full-stack engineer, I've honed my abilities while remaining dedicated to learning and experimentation. On weekends, I balance this passion with exploration, seeking out new places and flavors to complement my professional growth.

SKILLS

Front-end Development - JavaScript, TypeScript, React.js, Next.js, Redux.js, React Native

Back-end Development - Node.js, Express.js, Nest.js, Fastify.js, Golang, Go-Chi, Python, Django, GraphQL, Jest, Redis, Kafka, Microservices

Databases - PostgreSQL, MySQL, MongoDB, SQLite

DevOps - Docker, Docker Compose, Kubernetes, Gitlab CI/CD, Github Actions

Cloud - Amazon Web Services (AWS)

WORK EXPERIENCE

Novo

Software Development Engineer, Jul 2024 - Nov 2024

- Developed Kafka workers, to automate generation of legal documents, including Merchant Cash Advance and Credit Bureau agreements, improving process reliability.
- Partnered with cross-functional teams to design and implement user-friendly interfaces and backend optimizations, simplifying customer touchpoints and driving a 40% increase in user acceptance rate.
- Refactored customer decisioning and re-decisioning logic for credit limit calculations, resulting in enhanced processing efficiency and improved accuracy in credit assessments by 25%.
- Enhanced unit test coverage for critical production APIs and Kafka workers using Jest, increasing reliability of deployments and reducing error rates by 20% during production releases.

Tools and Technologies: Node.js, Nest.js, Jest, GraphQL, PostgreSQL, Kafka, Redis, Docker, Kubernetes, Microservices, Amazon Web Services (AWS)

Better Ed

Full-Stack Software Engineer, May 2022 - Jul 2024

- Designed and implemented a class scheduler system, automating multi-timezone class scheduling, reducing manual workload by 90%, and boosting operational efficiency by 70%.
- Integrated OpenAI text and image generation APIs into the content creation workflow, enabling the team to produce cooking course recipes 60% faster while maintaining high-quality standards.
- Optimized chat list retrieval using RediSearch and RedisJSON, accelerating data retrieval speed by 40% and reducing database load by 50%.
- Spearheaded the migration of a React.js project to Next.js, optimizing SEO and reducing page load time from 1.6 seconds to 400 milliseconds.
- Implemented a blue/green deployment strategy using Docker Compose, enabling zero-downtime releases by running healthy containers in a load-balanced environment, increasing deployment success rate by 25%.

Tools and Technologies: React.js, Next.js, Node.js, Express.js, PostgreSQL, GraphQL, MongoDB, Gitlab CI, Redis, Amazon Web Services (AWS), OpenAI API, Docker, Docker Compose

Codingmart Technologies

Product Engineer, Jan 2022 - May 2022

Product Engineering Intern, Mar 2021 - Dec 2021

- Spearheaded the migration from Angular/Ruby On Rails to React.js/Node.js stack for the Kalanju portal, optimizing code structure and achieving a 30% improvement in scalability and performance.
- Designed and implemented a Role-Based Access Control (RBAC) system, strengthening application security by limiting user access based on roles, reducing unauthorized access incidents by 15%.
- Designed, implemented, and maintained Invoice and Credit Note services, enabling seamless creation, modification, and dispatch of invoices and credit notes, increasing operational efficiency by 20%.
- Developed a holiday/leave approval management module with manager approvals, automating manual processes and reducing administrative overhead for HR and team leads.
- Deployed self-hosted Kubernetes environments to run and manage microservices, ensuring scalable and zero-downtime deployments while reducing deployment failures by 20% and improving system reliability.

Tools and Technologies: React.js, Node.js, Fastify.js, Bootstrap, MySQL, MongoDB, OAuth, Gitlab CI, Digital Ocean, Docker, Kubernetes

PERSONAL PROJECTS

FShare

FShare is a secure file-sharing application designed with a strong focus on privacy, encryption, and access control. It incorporates features like client-side file encryption, role-based access control, two-factor authentication (2FA), and secure sharing to ensure data security.

Tools and Technologies: React.js, Redux, Django, SQLite, 2FA, Docker, Github Actions, Oracle Cloud

[Github](#) | [Live Demo](#)

Go Discord

An end-to-end fullstack and real-time discord clone, all with servers, channels, video calls, audio calls, editing and deleting messages as well as member roles.

Tools and Technologies: React.js, Next.js, Golang, Go-chi, PostgreSQL, Websockets, Livekit, Docker, Github Actions, Oracle Cloud

[Github](#) | [Live Demo](#)

Breadit

A full stack reddit clone that delivers a seamless user experience, from creating subreddits to sharing captivating text and image posts.

Tools and Technologies: React.js, Next.js, Golang, Go-chi, PostgreSQL, Docker, Github Actions, Oracle Cloud

[Github](#) | [Live Demo](#)

EDUCATION

Bachelor of Engineering in Computer Science Engineering (2018 - 2022)

Sri Krishna College of Technology - 8.7 / 10 CGPA