

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, 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, Kubernetes, Gitlab CI/CD, Github Actions

Cloud - AWS EC2, AWS S3, AWS RDS, AWS Cloudfront, Oracle Cloud

WORK EXPERIENCE

Novo

Novo is an online business banking platform with no hidden fees built for small business owners. Its Merchant Cash Advance product provides quick access to funds and flexible repayment options to help manage cash flow challenges.

Software Development Engineer, Jul 2024 - Nov 2024

- Developed standalone Kafka workers, integrating asynchronous workflows to automate generation of legal documents, including Merchant Cash Advance and Credit Bureau agreements, improving process reliability.
- Collaborated with cross-functional teams to streamline the lending offer acceptance process by simplifying customer touchpoints, leading to 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%.

- Eliminated third-party dependencies to streamline code migration and reduce technical debt.
- Enhanced unit test coverage for APIs and Kafka workers using Jest, increasing test reliability and contributing to a 20% reduction in error rates during production deployments.

Tools and Technologies:

Node.js, Nest.js, Jest, GraphQL, TypeORM, PostgreSQL, Kafka, Microservices, AWS, API Development

Better Ed

Pixical (MVP 2) offers interactive courses in chess and cooking, featuring expert-led instruction and hands-on activities. These courses help users build strong foundational skills while fostering confidence and mastery.

Full-Stack Software Engineer, May 2022 – Jul 2024

- Orchestrated the end-to-end development process for new feature requirements by crafting database schemas, developing APIs, designing UIs, and ensuring seamless integrations using Agile methodologies.
- Implemented a scheduler system to automate class scheduling, reducing manual workload by 80% and improving operational efficiency.
- Introduced GitLab CI/CD pipelines for automated deployments, streamlining the development process and increasing productivity by 30%.
- Spearheaded the migration of a React.js project to Next.js, optimizing SEO and reducing page load time from 4 seconds to 2.4 seconds, enhancing user experience by 20%.
- Optimized cache implementation using RedisSearch and RedisJSON, accelerating data retrieval speed by 40% and reducing database load by 50%.

Tools and Technologies:

React.js, Next.js, Webpack, Node.js, Express.js, PostgreSQL, Prisma ORM, Typescript, GraphQL, MongoDB, Gitlab CI, Redis, AWS S3, AWS EC2, AWS RDS, OpenAI API, UI Development, API Development, DevOps

Codingmart Technologies

Pixical (MVP 1) is an online learning platform offering expert-led courses in piano, art, dance, and guitar. It provides a personalized experience to nurture creativity and develop skills effectively.

Product Engineer, Jan 2022 – May 2022

Product Engineering Intern, Mar 2021 – Dec 2021

Pixical (Contracted to Better Ed)

Pixical (MVP 1) is an online learning platform offering expert-led courses in piano, art, dance, and guitar. It provides a personalized experience to nurture creativity and develop skills effectively.

- Developed and maintained the platform's front-end and back-end architecture, ensuring seamless user experience across devices for courses in piano, art, dance, and guitar.
- Optimized the platform's performance by improving loading times, responsiveness, and database queries, enhancing overall user engagement.
- Collaborated with UX/UI designers to create intuitive interfaces and improve user interaction, leading to a 20% increase in user retention.
- Utilized cloud services for data storage and scalability, ensuring the platform can handle increasing user traffic and course content efficiently.

Kalanju

Designed and implemented Kalanju, a robust platform built on Microservices architecture to optimize workflows and deliver enhanced digital experiences for employees and various departments across the organization.

- Spearheaded the migration from Angular/Ruby On Rails to React.js/Node.js stack, resulting in a 30% improvement in scalability and performance.
- Developed RESTful microservices using Fastify.js, achieving a 40% increase in application performance.
- Implemented Role-Based Access Control (RBAC) to enhance security and limit user access based on designation.
- Deployed GitLab CI/CD pipelines to automate deployments, optimizing development cycles and boosting team productivity.
- Deployed self-hosted Kubernetes and Docker environments, reducing infrastructure costs by 50% and minimizing downtime during deployments.

Tools and Technologies:

React.js, Node.js, Fastify.js, Bootstrap, MySQL, MongoDB, Gitlab CI, Docker, Kubernetes, Full Stack Development, UI Development, API Development, DevOps

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