

# SAVAN FAMI S N

## Software Engineer

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## Profile Summary

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Junior Software Engineer with hands-on experience in building scalable, high-performance backend systems.. Proficient in **Node.js**, **Express**, and **Nest.js**, with expertise in designing RESTful APIs, microservices, and efficient schema designs using **MongoDB** . Skilled in integrating real-time features with **Socket.IO**, implementing clean architecture principles, and optimizing performance for production-ready applications. Adept at collaborating with cross-functional teams, deploying applications on **AWS** and **Azure**. Passionate about writing clean, maintainable code and continuously learning new technologies to deliver innovative solutions.

## Experience

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### Junior Software Engineer

Ink In Caps - Mumbai, India (July 2025-present)

- Developing scalable backend services using Node.js, and Nest.js with MongoDB.
- Collaborating with cross-functional teams to design and implement RESTful APIs .
- Optimizing application performance and integrating real-time features using Socket.IO and Redis.

## Skills

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<b>Programming Languages:</b>	JavaScript, TypeScript
<b>Back End Development:</b>	Node.js, Express.js, Nest.js , Microservices, Clean Architecture, Monolithic Architecture, MVC, RESTful API Design, Schema Design
<b>Front End Development:</b>	React.js, Redux, HTML, Tailwind CSS, Bootstrap, CSS,Ajax, EJS,Blade
<b>Database:</b>	MongoDB, PostgreSQL, Firebase, Redis,
<b>Tools:</b>	Git, GitHub, Postman, VSCode, Redis Insight, Figma,
<b>Expertise in:</b>	Data Structures, Third-Party Integrations
<b>Deployment:</b>	AWS, Azure Services, CI/CD
<b>Integrations:</b>	Razorpay, Google Oauth, Socket.io, Stripe(webhooks), Nodemailer, Cloudinary, Kafka,
<b>Familiar With:</b>	Kubernetes,Docker, Design Patterns

## Projects

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### JOB-PORTAL WEB APP | HY-HIRE:

[Frontend](#) | [Backend](#)

Hy-Hire is a feature-rich job portal connecting companies, admins, and users seamlessly. It offers live chat for instant communication and a robust platform for conducting interviews, streamlining the hiring process for both recruiters and job seekers.

- **Scalable Architecture:** Designed using **Microservices** architecture with **Node.js**, **Express** laying the groundwork for future scalability.
- **Security Measures:** Implemented robust security features including **JWT** for secure authentication and authorization.
- **Performance Optimization:** Employed debouncing techniques to optimize performance, particularly in search functionality, reducing unnecessary API calls, and implemented Redis for caching OTPs to improve

performance and response times.

- **Clean Architecture:** Implemented clean architecture principles in the backend, ensuring separation of concerns and improving maintainability and testability of the codebase.
- **Real-time Communication:** Integrated WebRTC with Peer.js and Socket.IO for video call and chat functionality, enabling seamless and interactive learning experiences.
- **Responsive Design:** Utilized **Tailwind CSS** to create a fully responsive design, ensuring optimal user experience across all device sizes from mobile to desktop.

**Technologies:** MERN Stack (MongoDB, Express.js, React.js, Node.js), Azure AKS, Redux, TypeScript, Tailwind CSS, Socket.IO, JWT, WebRTC, peer.js, Clean Architecture, Stripe, Git, DaisyUI, Shadcn.

### E-COMMERCE PLATFORM | SHOEX:

[Source Code](#)

Shoex is a comprehensive e-commerce platform designed for selling shoes. It offers a seamless shopping experience with features like secure payment integration, intuitive product browsing, efficient order management, and a powerful admin dashboard for managing all aspects of the platform.

- **User-Friendly Features:** Built intuitive cart and wishlist management, with a smooth checkout process secured by **Razorpay** integration.
- **Enhanced User Experience:** Developed advanced search, filtering, and sorting options, plus promotional tools like coupons and referral discounts.
- **Efficient Order Management:** Implemented a complete system for order processing, returns, and cancellations, including automated invoice generation.

**Technologies:** Node.js, Express.js, MongoDB, EJS, HTML, CSS, Bootstrap, Razorpay, JWT, Multer, Nodemailer, AWS EC2, Nginx, Git

## Mini Projects

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- **Url-Shortner App** [Source Code](#) | [Live Link](#)  
Developed a secure URL shortening web application using **Nest.js** (Node.js) for the backend and React for the frontend. Implemented JWT-based authentication. Restricted URL shortening features to authenticated users and designed a user-friendly interface for managing shortened links.
- **Article Feed App** [Source Code](#) | [Live Link](#)  
A modern article feed application built with React and styled using Tailwind CSS for a sleek, responsive user interface. The backend leverages the Repository Design Pattern for clean and maintainable code architecture, ensuring efficient data handling and scalability. The app enables users to browse, create, and manage articles seamlessly, offering a dynamic and engaging content experience.
- **OLX Clone with Firebase Auth [React.js, Firebase]** [Source Code](#)  
A clone of the OLX website featuring Firebase authentication, allowing users to create accounts, log in, and post ads.

## Education

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**MERN Stack Development**

[Certificate](#)

Brotoype, Calicut

**Bsc Computer Science**

Calicut University

2018 - 2021