ABHIJITH SELVAM

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SUMMARY

Detail-oriented Software Engineer with a strong foundation in full-stack web development and computer science fundamentals. Experienced in building scalable, production-ready applications using JavaScript, TypeScript, React, Node.js, PostgreSQL, and MongoDB, with a focus on clean architecture, secure APIs, and efficient state management. Comfortable working across the full development lifecycle from requirement understanding and system design to implementation, testing, and deployment while demonstrating strong problem-solving skills, ownership, and a continuous learning mindset.

TECHNICAL SKILLS

- Languages: JavaScript (ES6+), TypeScript, Python
- Frontend: React.js, Next.js, Tailwind CSS, Redux Toolkit, Zustand
- Backend: Node.js, Express.js, REST APIs, JWT, Bcrypt
- Databases: MongoDB, PostgreSQL, Prisma ORM
- Cloud & Deployment: AWS (basic), Render
- Engineering Practices: Git, GitHub, API testing, edge-case handling, clean code practices
- AI-Assisted Development: GitHub Copilot, ChatGPT
- CS Fundamentals: Data Structures & Algorithms (arrays, strings, hash maps, trees, recursion, sorting), SQL basics

PROJECTS

Enterprise Inventory Management Application
Tech: TypeScript, Next.js, Node.js, PostgreSQL, Prisma, Redux Toolkit, AWS
- Designed and developed an enterprise-grade inventory management system handling products, stock movement, and transactional workflows.
- Implemented Redux Toolkit (RTK) to manage complex, shared application state across multiple modules, ensuring predictable state transitions.
- Built scalable REST APIs using Node.js and Prisma for reliable CRUD operations on relational data.
- Implemented secure authentication and authorization using JWT and encrypted credentials.
- Broke down complex business requirements into smaller, deliverable components, improving development efficiency and maintainability.

Social Media Application (Twitter Clone)
Tech: React.js, Node.js, Express.js, MongoDB, Zustand
- Built a social media platform with authentication, posts, likes, comments, and follow functionality.
- Used Zustand for lightweight and performant state management, reducing boilerplate while maintaining clarity.
- Designed RESTful APIs and optimized MongoDB queries for user-centric data access.
- Debugged edge cases in user actions and API responses to improve application reliability.
- Independently owned features end-to-end, from backend logic to UI integration.

Video Streaming Web Application (Netflix Clone)
Tech: React.js, Node.js, Express.js, MongoDB, Zustand, Tailwind CSS React.js, Node.js, Express.js, MongoDB, Zustand
- Developed a responsive streaming-style UI with modular and reusable components.
- Leveraged Zustand for simple and fast state management suitable for UI-heavy workflows.
- Engineered reusable UI components using Tailwind CSS to maintain design consistency and development speed.
- Integrated backend APIs for dynamic content rendering and secure user sessions.
- Focused on clean UI logic, performance optimization, and maintainable component design.

EDUCATION

Bachelor of Technology in Computer Science
Amal Jyothi College of Engineering, Kanjirappally, Kottayam, Kerala
CGPA: 7.24
Year of graduation: 2024

PROBLEM-SOLVING & OWNERSHIP HIGHLIGHTS

- Owned features end-to-end by translating requirements into clean, scalable implementations, followed by thorough testing, debugging, and iterative refinement.
- Solved complex technical issues through structured problem decomposition, root-cause analysis, and effective use of data structures and algorithms.
- Maintained high code quality by writing readable, maintainable code and collaborating through Git-based workflows, reviews, and clear technical communication.