

# ABHIJITH SELVAM

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Github: <https://github.com/abselvam>

## SUMMARY

Full-stack developer with hands-on experience building production-ready web applications using React, TypeScript, Python, and PostgreSQL. Strong foundation in data structures, backend API design, and relational databases. Comfortable working in fast-paced environments, writing clean code, and using GenAI tools to improve development velocity. Demonstrates strong ownership, communication skills, and a keen interest in financial systems and SaaS products.

## 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

- 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

- Availability & Commitment: Available for immediate joining; comfortable with in-person work in Bangalore, flexible hours, and evening/weekend syncs as required.
- Financial Markets Exposure: Active demat account with Upstox; hands-on exposure to equity markets and basic day trading, building practical interest in financial systems and data-driven decision-making.
- Learning Mindset: Actively use GenAI tools (ChatGPT, GitHub Copilot) for refactoring, debugging, test generation, and documentation to improve development speed and code quality.