

ABHIJITH SELVAM

Address: Chikkaballapura, Karnataka | **Phone:** 9567227598 | **Email:** abselvam44@gmail.com
LinkedIn: www.linkedin.com/in/abhijith-selvam | **Portfolio:** <https://abhijith-portfolio-azure.vercel.app/>
Github: <https://github.com/abselvam>

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, TanStack Query
- Backend: Node.js, Express.js, REST APIs, JWT, Bcrypt
- Databases: MongoDB, PostgreSQL(Neon), 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

EXPERIENCE AND PROJECTS

AI Dental Appointment SaaS (Enterprise-grade Platform)

Tech: Next.js, TypeScript, Prisma ORM, Neon Serverless Postgres, Tailwind CSS, shadcn/ui, TanStack Query, Clerk, Vapi (Voice AI)

- Architected a multi-tenant, role-based SaaS platform with clearly separated admin and patient domains.
- Implemented secure authentication and subscription lifecycle management with Clerk, enabling paid Pro tiers and feature gating.
- Designed an admin control plane for dentist management, appointment oversight, and operational enforcement.
- Built a transaction-safe appointment scheduling system with real-time availability checks and conflict prevention.
- Developed a voice-enabled AI experience using Vapi, allowing Pro users to access dental health guidance and clinic service information.
- Engineered a scalable, type-safe backend with Prisma and Neon, paired with TanStack Query for reliable server-state management and a production-grade UI using Tailwind CSS and shadcn/ui.

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.

Social Media Application

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.

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.