MOHAMMED JAVAD E

Software Developer

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SUMMARY

Software Developer with ~5 months of professional experience at Bytsolv, following an 8-month MERN apprenticeship. Primary engineer behind Papr.work, a live financial paperwork product spanning web, mobile, admin and employee portals, and MCP integrations. Own database design, system architecture, secure APIs and client applications end to end. Contributed to Smile OS, a SaaS platform used by 4,000+ dental clinics in Australia, and ship work through senior code review.

SKILLS

Languages: TypeScript, JavaScript, SQL, HTML5, CSS3

Backend & APIs: Node.js, Hono, Express.js, REST API design, Zod validation, Argon2 authentication, RabbitMQ

Databases: PostgreSQL, Drizzle ORM, Database Design & Schema Modelling, MongoDB, Redis

Architecture & Fundamentals: System Design, Data Structures and Algorithms, Secure Coding, Code Review, Git/GitHub Workflows

DevOps & Tools: AWS (S3/EC2), Docker, Linux, Nginx, CI/CD, Tauri

Frontend: React 19, Next.js, TanStack Router/Query, Tailwind CSS, shadcn/ui, Vite, Accessibility (WCAG)

Mobile: React Native, Expo, Expo Router

Other: Model Context Protocol (MCP), OAuth 2.0, AI/LLM and third-party API integrations

WORK EXPERIENCE

Junior Software Developer | Bytsolv, Kochi *06/2026 – Present*

- Built Papr.work (papr.work), a financial paperwork product at Bytsolv, from database design and system architecture to production; delivered roughly 90% of v1 as the sole engineer, merging 24+ pull requests in about a month.
- Built the backend API with **Hono, Drizzle ORM and PostgreSQL**, including Argon2-based authentication, Zod request validation and a forgot-password flow.
- Built the React 19 web app and React Native / Expo mobile app for invoices, expenses, salaries, payments and ledger tracking, with shared TypeScript contracts and validation.
- Built an admin portal for user and company management and employee self-service portals on web and mobile for payslips, payments, profiles and leave requests.
- Implemented a Model Context Protocol (MCP) server with OAuth authorization and tools for financial documents, payments, ledger queries and employee self-service, enabling AI clients to work with Papr.work.
- Contributed full-stack features to **Smile OS**, a SaaS platform serving 4,000+ dental practices across Australia, on a Next.js, Hono and Drizzle/PostgreSQL stack.
- Resolved a security issue by moving document previews into a **sandboxed iframe**; also built a reusable terms-template system for invoices and quotations and custom document templates.
- Shipped all work through senior developer code review, incorporating feedback into maintainable, production-ready code.

MERN Stack Apprentice | Devxtra *08/2025 – 05/2026*

- Completed an 8-month apprenticeship with weekly mentor reviews, building debugging and problem-solving skills on real-world coding challenges under industry engineers.
- Built production-style applications with MongoDB, Node.js, Express, React and AWS (S3/EC2), including Hayon, a full-stack social media dashboard.

PROJECTS

Hayon | *Node.js*, *Express*, *MongoDB*, *RabbitMQ*, *AWS (S3/EC2)*, *Next.js* · *github.com/devxtra-community/hayon*

- Social media dashboard with a post scheduler (Zod-validated), Recharts analytics and Google Gemini AI caption suggestions.
- Deployed on AWS EC2 with S3 for media storage; accessible, responsive Next.js and shadcn/ui interface.

Trendzy | *Node.js*, *Express*, *React*, *Vite*, *Tailwind CSS*, *shadcn/ui* · *github.com/javaadde/trendzy.frontend*

- E-commerce app with separate admin and user interfaces; admin dashboard for product CRUD, inventory and order tracking; secure authentication via backend APIs.