

Edsin D

Backend Engineer / Full Stack Developer

Node.js • TypeScript • Java/Spring Boot • React • React Native • AWS • AI Automation

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PROFESSIONAL SUMMARY

Backend-focused Full Stack Engineer with 6+ years of experience building scalable web and mobile applications, REST APIs, databases, workflow-driven systems, cloud infrastructure, and AI-powered automation. Experienced in designing backend architecture, data models, integrations, deployment pipelines, and production services, with hands-on delivery across finance automation, invoice processing, procurement, accounts receivable, supplier workflows, mobile workflow, and intelligent automation products.

PROFESSIONAL EXPERIENCE

ACMO Pty Ltd | Backend Engineer / Full Stack Developer

Jun 2024 – Present

- Build and evolve scalable backend services and APIs for ACMO's intelligent automation and finance workflow platform, supporting document-driven Accounts Payable, Accounts Receivable, procurement, supplier, and workflow processes.
- Design backend architecture, database schemas, data-access patterns, validation, business rules, asynchronous processing, integrations, and error-handling strategies for production workloads.
- Develop and maintain web applications and administrative interfaces used to configure tenants, users, roles, workflows, financial rules, master data, transactions, and operational dashboards.
- Develop mobile workflow capabilities that allow users to review and action finance and workflow tasks, including invoice/document capture, approvals, comments, and task processing on the go.
- Build and maintain cloud infrastructure, application servers, Docker-based deployments, CI/CD workflows, environment configuration, logging, monitoring, and production release processes on AWS.
- Implement integrations between ACMO and external ERP/business systems using APIs and reliable synchronization, retry, reconciliation, and status-update patterns.
- Develop AI-powered automation and agent workflows for finance operations, including intelligent document/transaction processing, validation, matching, decision support, and human-in-the-loop confirmation.
- Work across product, backend, frontend, mobile, database, deployment, and integration layers to deliver end-to-end features and resolve production issues.
- Contribute to a SaaS architecture with tenant-aware configuration, role-based access control, workflow orchestration, auditability, and scalable processing for business-critical financial transactions.

Product / Domain Exposure: Accounts Payable Automation, Accounts Receivable Automation, Procure-to-Pay, Supplier Portal, Mobile Workflow, Intelligent Automation, Digital Mailroom, RPA, e-Signature, Peppol eInvoicing.

Technology: Node.js, TypeScript, Fastify, Express.js, NestJS, Java, Spring Boot, Spring Security, MongoDB, PostgreSQL, MySQL, Redis, AWS, Docker, React, Next.js, React Native, REST APIs, AI/LLM, AWS Bedrock, Claude, OpenAI, LangChain, CI/CD.

MJB Technology Labs Pvt Ltd | Full Stack Developer

Jun 2022 – Jun 2024

- Built full-stack web and mobile applications using React, Next.js, React Native, Node.js, Express.js, MongoDB, and Java/Spring Boot.
- Developed AI-powered chatbot and admin applications integrating OpenAI for conversational responses, content extraction, summarization, and knowledge-based interactions.
- Developed CheckSammy web and driver mobile applications for waste-material collection workflows, integrating Google Vision AI, maps, directions, real-time communication, and backend services.
- Built REST APIs, database models, authentication, integrations, file processing, and cloud deployments using AWS EC2, Docker, and GitHub workflows.

- Implemented testing, debugging, performance improvements, analytics, document processing, and production support across web, mobile, and backend systems.

Icanio Technology Labs Pvt Ltd | Full Stack Developer

Jul 2020 – May 2022

- Developed web applications and backend services using ReactJS, Java/Spring Boot, Spring Security, PostgreSQL, REST APIs, and AWS.
- Worked on CareerLabs Unified Portal and Admin Portal, implementing onboarding, profile analysis, role-based access, API integrations, analytics, document management, and responsive UI.

SELECTED PRODUCT EXPERIENCE

Product / Area	Relevant Engineering Scope
ACMO Finance Automation	AP/AR workflows, invoice processing, PO matching, approvals, payment/reconciliation flows, ERP integration, auditability, tenant configuration and scalable backend services.
Procure-to-Pay & Supplier	Purchase requests, multi-level approvals, budgets, vendor/catalogue management, supplier onboarding, PO/invoice visibility, communications and ERP synchronization.
Mobile Workflow	Mobile task/action workflows for invoices, documents, receipts, approvals and comments; API integration with enterprise workflow services.
AI & Intelligent Automation	AI-assisted extraction, validation, transaction matching, agent workflows, exception handling and human-in-the-loop decision support.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, SQL
Backend: Node.js, Express.js, NestJS, Fastify, Spring Boot, Spring Security, REST APIs
Frontend: ReactJS, Next.js, Material UI, Tailwind CSS, Redux
Mobile: React Native, Expo, Firebase
Databases: MongoDB, PostgreSQL, MySQL, Redis
Cloud & DevOps: AWS, EC2, Docker, GitHub Actions/Workflows, NGINX
AI & Automation: AWS Bedrock, Claude, OpenAI, LangChain, RAG, AI agents, Vision AI
Tools & Analytics: Git, Postman, Jira, Mixpanel, Hotjar, CleverTap

EDUCATION

Bachelor of Computer Science — Aditanar College of Arts and Science, Tiruchendur, Tamil Nadu