

Ajay Gangarde

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[LinkedIn](#) | [Portfolio & Demo Videos](#)

NZ Work Visa (Spouse), No sponsorship required

Professional Summary

Full Stack Developer with 11+ years of end-to-end ownership from React and Angular frontends through Node.js APIs, event-driven backends, and AWS cloud infrastructure. Experienced across diverse domains and AI-powered products. Experience leading development initiatives, architecting scalable systems, and mentoring engineers in Agile environments. AWS Certified Developer Associate.

Core Competencies

Frontend: React 18.x, Angular 16, TypeScript, JavaScript (ES6+), SPA

Backend: Node.js (Express), RESTful API Design, Server-Sent Events (SSE), BFF, Event-driven

Database: PostgreSQL (pgvector), MySQL, Schema Design & Query Optimisation

Cloud & DevOps: AWS, CloudFormation, Docker, Git

Testing: Jest, React Testing Library, Cypress, BDD

AI & Automation: OpenAI APIs, Gemini, RAG Workflows, Vector Search, AI Agents, Telephony Integration (Plivo), LangChain and LangGraph (TypeScript)

Work Experience

Senior Application Developer | IBM India

September 2024 - Present

- Delivered an SPA Angular audit platform that improved shipment tracking accuracy by 60%, reducing manual reconciliation effort across logistics teams.
- Built React interfaces and BFF layer for an executive analysis dashboard aggregating 5+ data sources, reducing report generation time by 60%.
- Engineered an AI agent under the watsonX initiative to automate Jira ticket generation, cutting ticket creation time by 50%.
- Designed Node.js middleware for Azure AD authentication, role-based access control, rate limiting.
- Increased automated test coverage by 40% through Jest and Cypress test suites.
- Documented feature architecture and technical design in internal wiki pages.

Lead Engineer | Quest Global

December 2021 - September 2024

- Led full-stack development of real-time analytics dashboards for offshore oil platforms, processing live IoT sensor data from multiple vendor systems.
- Built predictive maintenance data workflows and ETL pipelines integrating multiple endpoints, reducing loss of data.
- Developed real-time visualisation platform using SSE and HighChart, supporting sub-second data refresh.
- Mentored a team of 4 developers through structured code reviews and pair programming sessions.

Senior Associate Developer | Synechron Technologies

September 2020 - November 2021

- Led full-stack feature development for an insurance management platform serving 10,000+ policy holders, delivering 8 major features across 6 sprints.
- Engineered a critical payment calculation engine handling complex claim logic, reducing average claim processing time by 35% and eliminating manual calculation errors.
- Collaborated in a cross-functional Agile team of 20+ members across dev, QA, and business analysis.

Software Developer | EDR Continuous Information

March 2017 - September 2020

- Built an energy performance calculator used by 200+ contractors across the US, replacing a manual spreadsheet process and cutting calculation errors by 90%.

- Implemented predictive analytics features that reduced client energy costs by 15–20%.

PHP Developer | Infodreamz Technology

September 2014 - November 2016

- Led development of a B2C classified marketplace platform serving thousands of daily active users.
- Built REST APIs with CodeIgniter serving 10,000+ daily active users, designed optimised database schemas, and integrated Google Maps and Tag Manager for enhanced discovery and analytics.

Projects

Lease Contract Intelligence Platform IBM (British Petroleum)

Dec 2025 - May 2026

Responsibility

- Contributed to a production AI platform enabling BP analysts to upload oil and gas lease contracts and automatically extract key deal terms, minimum contracted barrels, counterparty obligations, and contract periods.
- Built contract compliance dashboard visualising minimum contracted volume vs actualised volume vs planned volume per deal, automatically flagging contracts in a warning state where volume gaps indicated non-compliance risk.

Impact

- Reduced quarterly contract review from several hours per deal to minutes, enabling analysts to process an entire quarter's portfolio significantly faster.

Technologies

React, Python (serverless), AWS Services, Azure ADO

AI-Powered Talent Acquisition Platform Personal Project | [Demo](#)

Jun 2025 - May 2026

Responsibility

- Built an end-to-end AI recruitment platform covering resume screening, candidate matching, interview practice, and automated candidate outreach.
- Implemented smart candidate-to-role matching using semantic search, so the best-fit candidates surface first not just keyword matches.
- Created a real-time resume builder with live AI suggestions as candidates type, reducing friction in the application process.

Impact

- Cut manual resume screening time by 70% and reduced recruiter phone screening time by 80%.

Technologies

React.js, Node.js (Express), PostgreSQL + pgvector, Langchain/Langgraph. AWS (ECS, SQS, Cognito, CloudFormation), OpenAI, Gemini Flash, Whisper STT, Cartesia TTS, Plivo.

Offset Pressure Monitoring Platform Quest global (ExxonMobil)

Dec 2023 to June 2024

Responsibility

- Built a real-time pressure and slurry rate monitoring platform for well fracturing engineers, replacing manual observation with live data visualisation across offset wells.

Impact

- Enabled engineers to detect and respond to pressure anomalies in real time, improving safety and reducing operational risk during fracturing.

Education

Bachelor of Engineering — Information Technology

2008 - 2012

University of Mumbai, India

Certifications & Awards

AWS Certified Developer Associate 2026 - [badge](#)

WatsonX Challenge Participant 2025 - [badge](#)

IBM Generative AI Developer Certification 2025 - [badge](#)

Star Performance Award Synechron 2021