

Ambar Bose

Senior Software Engineer | Web Platforms, Full-Stack Delivery & AI-Enabled Workflows

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PROFILE

Senior Software Engineer with 10+ years of Australian delivery experience across enterprise web platforms, healthcare, energy, insurance, media, travel, telecom and financial services. Strong background in TypeScript, React, Next.js, Angular, Node.js, REST/GraphQL APIs, CI/CD and cloud-hosted delivery, with experience across CMS/schema-driven UI, micro-frontends, .NET/Azure-backed service integration and AI-enabled workflows using OpenAI APIs.

CORE SKILLS

Frontend & Web	TypeScript, JavaScript, React, Next.js, Angular, Redux, MobX, React Native, HTML5, CSS3/SASS, Tailwind, responsive UI
Backend & Integration	Node.js middleware, REST/GraphQL APIs, .NET/Azure-backed service integration, Java/Spring exposure, Python exposure
Architecture	CMS/schema-driven UI, component registries, dynamic forms, multi-step workflows, micro-frontends, reusable UI/API patterns
Cloud, DevOps & Quality	AWS Lambda, API Gateway, AppSync, S3, Azure SWA, CI/CD, Jest, React Testing Library, Enzyme, Selenium, Jasmine
AI Workflows	OpenAI API integration, LLM prompt workflows, AI-assisted prototypes, user-in-the-loop AI tooling

SELECTED PROJECT

AI Messaging Copilot | Chrome Extension + Node.js Backend + OpenAI APIs

- Built a user-in-the-loop browser assistant that reads selected conversation context and generates tone-based reply suggestions.
- Developed a Chrome extension with a Node.js/Express backend for OpenAI API orchestration, prompt workflows and review-before-use response rendering.

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Vitura Health

Oct 2025 | Sydney, NSW - Remote

- Contributed to the CanView ecosystem, building and maintaining TypeScript-based healthcare applications across telehealth, prescriptions and workflow-heavy user journeys.
- Delivered React and React Native application features, reusable components, integrations and UI improvements across web and mobile surfaces.
- Worked with Node.js middleware to support API communication, application integrations and frontend/backend workflow requirements.
- Contributed to CI/CD pipelines, deployment workflows and environment configuration to improve release reliability and delivery maintainability.

Tech: TypeScript, React, React Native, Node.js, HTML5, SASS, Jest, React Testing Library

Senior Software Engineer - Contract | Ampol Australia

May 2022 - Sep 2025 | Sydney, NSW

- Led architecture and delivery of a new Energy Retail web platform using TypeScript, React, Next.js and MobX across customer and agent-facing journeys.
- Implemented Contentstack-driven, configuration-based UI rendering using Next.js SSG, including component registry patterns and schema-to-component mapping.
- Delivered API-integrated onboarding, payment and agent workflows, integrating with enterprise service layers including Azure/.NET-backed APIs.
- Built and improved CI/CD pipelines, environment configuration and Azure-hosted frontend delivery workflows for reliable releases across environments.
- Defined reusable UI/API integration patterns with product, UX, backend and platform engineers to improve maintainability and delivery speed.

Tech: TypeScript, React, Next.js, MobX, Contentstack, REST/GraphQL APIs, Azure, CI/CD, .NET service integration

Senior Software Engineer - Contract | IAG

Mar 2021 - May 2022 | Sydney, NSW

- Built a new insurance web application using micro-frontend architecture and module federation patterns.
- Developed multi-step quote retrieval, renewal and payment workflows with conditional UI logic and API-backed integrations.
- Designed and integrated WebChat UI for a major client and coordinated integration across multiple frontend teams.
- Integrated Node.js/AWS Lambda-backed middleware features to support quote retrieval, renewal and payment journeys.

Tech: JavaScript, TypeScript, React, Redux/Thunk, Styled Components, Node.js, AWS Lambda, Module Federation, Bamboo

Senior Software Engineer - Contract | Luxury Escapes

Oct 2020 - Mar 2021 | Sydney, NSW

- Delivered React/TypeScript features across customer-facing travel experiences and internal admin applications.
- Built multi-flight search UI against new API contracts and revamped Node.js/AWS Lambda email services for offer/package workflows.
- Reviewed peer code and contributed to maintainable component patterns across shared frontend surfaces.

Tech: React, Redux, TypeScript, Styled Components, Node.js, AWS Lambda, Heroku

Senior Software Engineer | RapiScan Systems

Aug 2020 - Oct 2020 | Sydney, NSW

- Owned maintenance and feature development for an existing Angular 1.6 application with real-time WebSocket data streams.
- Improved stability and performance across data-heavy operational dashboards and interfaces.

Tech: Angular 1.6, JavaScript, WebSockets, Node.js

Senior Software Consultant - Contract | Suncorp

Mar 2020 - Jul 2020 | Sydney, NSW

- Delivered React and Redux Matcher features for an insurance application using a micro-frontend architecture.
- Integrated Adobe Analytics and improved maintainability across modular frontend delivery workflows.

Tech: React, Redux, Micro-frontends, Adobe Analytics

Full Stack Developer - Contract | Optus Sport

Feb 2019 - Feb 2020 | Sydney, NSW

- Built responsive, high-traffic sports web experiences using React, Redux and CMS-driven dynamic layouts.
- Redesigned the homepage with configurable layouts and integrated GraphQL APIs into React/CMS-driven experiences.
- Built Node.js/AWS Lambda utilities for CMS validation, old-vs-new CMS comparison dashboards, SEO workflows and Google News sitemap generation.
- Developed middle-layer services using AWS Lambda, AppSync, S3 and API Gateway to support content automation and platform workflows.

Tech: React, Redux, JavaScript, Tailwind, GraphQL, Node.js, AWS Lambda, AppSync, S3, API Gateway

Full Stack Software Engineer - Contract | CoreLogic

Sep 2018 - Feb 2019 | Sydney, NSW

- Delivered React and React Native features for real estate and banking-related data products, including NAB-aligned project work.
- Worked across frontend applications and Java/Spring Boot backend services using an Extreme Programming delivery approach.

Tech: React, React Native, Redux, JavaScript, Jest, Enzyme, SASS, Java, Spring Boot, Pivotal Cloud Foundry

Senior Software Developer - Contract | Tabcorp

Mar 2018 - Sep 2018 | Sydney, NSW

- Built React application features and Node.js middleware services for SKY Channel Smart App workflows.
- Integrated GraphQL APIs and RabbitMQ-backed middleware services for frontend application needs.

Tech: React, Redux, JavaScript, Jest, Enzyme, SASS, Node.js, GraphQL, RabbitMQ

Senior Solution Developer - Contract | NBN

Jul 2017 - Mar 2018 | Sydney, NSW

- Developed and reskinned public website features using AEM, JavaScript, jQuery, LESS and responsive design patterns.
- Integrated Selenium with CI build workflows and won an internal hackathon for a roadmap app driven by Excel input.

Tech: AEM, JavaScript, jQuery, LESS, Responsive Design, Java, Spring Boot, Spring MVC, Selenium

Full Stack Software Developer | IRESS

Sep 2015 - Jul 2017 | Sydney, NSW

- Delivered multiple financial web application features including Compare Chart, Debt vs Super and a complete Savings Journey flow.
- Worked closely with business analysts, product owners, UX and backend Python engineers to shape requirements and deliver full-stack features.
- Prize winner in the IRESS Global Hackathon 2016.

Tech: JavaScript, Backbone.js, React, Redux, TypeScript, LESS, Python

EARLIER EXPERIENCE

Oracle - Senior Application Developer | Cisco Systems - Software Engineer II | Yodlee - Software Engineer | Indience Info Systems / Unvired - Senior Software Engineer

Earlier work covered JavaScript/CSS theming, Java/Spring full-stack features, enterprise product development, client delivery, SAP mobility projects and code review responsibilities.

EDUCATION

Master of Computer Applications | Bachelor of Computer Science (Honours)