

Salman Bashir

Senior Software Engineer | Full Stack Developer | AI Integration

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SUMMARY

Senior Software Engineer and Full Stack Developer who builds web applications end to end with React, Next.js, TypeScript, Node.js, Express.js and NestJS. Specializes in AI integration, including natural-language-to-SQL and retrieval-augmented generation with OpenAI, Anthropic and self-hosted LLMs, an embeddable AI assistant for real-estate agents, and LLM features for a hospitality platform. Has delivered products in real estate, hospitality, CRM, recruitment and billing, some as the sole developer.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Ruby, Python, SQL, HTML, CSS

Frontend: React, Next.js, AngularJS, Redux, Tailwind CSS, Material UI, Ant Design, Bootstrap, Formik

Backend: Node.js, Express.js, NestJS, Python, FastAPI, SQLAlchemy, Ruby on Rails, Django, REST APIs, Microservices, Swagger

Databases: MySQL, MariaDB, PostgreSQL, MongoDB, Firebase, Google Cloud Firestore, vector databases

AI Integration: LLM integration, OpenAI API, Anthropic API, Ollama (self-hosted LLMs such as Qwen 2.5), retrieval-augmented generation (RAG), vector search, natural-language-to-SQL, semantic layer

Cloud and Integrations: AWS (S3), Azure Service Bus, Oracle OHIP (POS and PMS), Xero API, Algolia, Google Maps API

Tools: Git, GitHub, GitLab, Docker, Docker Compose, Jira, Postman

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Nextbridge Limited | Apr 2022 – Present

- Build and maintain client web applications across frontend and backend, from new modules and third-party integrations to bug fixing and production support.
- Integrate LLM services (OpenAI, Anthropic, self-hosted Ollama models) into real-estate, hospitality and data analytics products.
- Work in client-facing project teams and as the sole developer on some products, owning features from implementation to release.

KEY PROJECTS

Better Homes – real-estate platform for a Dubai brokerage, used by buyers, investors and agents

- Developed the leads, listings, deals, communities, properties and customer-calling modules.
- Integrated AI services into the main products to help agents increase their customer reach.
- Used Next.js SSR, SSG and routing to make listing pages search-friendly and fast to load.
- Worked with the platform's Algolia search, Intercom, Amplitude and Google Maps integrations.

Tech: Next.js, NestJS, React, Ant Design, AWS, Anthropic API, FastAPI

Grace AI – AI assistant for Better Homes agents, as a standalone app and an embeddable script

- Built the full application as the sole developer, integrating the AI team's models from backend to user interface.
- Made the AI responses work reliably in both the standalone app and every embedded version.
- Led the rollout of the script across multiple Better Homes websites with consistent performance.

Tech: React, Tailwind CSS, Node.js, Express.js

Ring N Bring – hospitality platform for QR code ordering, payments and venue operations in restaurants and hotels

- Built and maintained the NestJS backend services that integrate the platform with Oracle OHIP POS and PMS systems.
- Added new features to the POS and PMS integrations and kept data exchange between the platform and venue systems reliable.
- Integrated OpenAI and Anthropic APIs to add AI features supporting sales.

Tech: NestJS, MySQL, MongoDB, Azure Service Bus, Firebase, OpenAI API, Anthropic API

AskBase AI – SaaS for analyzing business data through natural-language questions

- Built the end-to-end flow: a Next.js 15 and React 19 interface, a FastAPI backend, and the AskBase natural-language-to-query engine in Python.
- Ran local LLMs through Ollama, using Qwen 2.5 Coder to generate SQL and Qwen 2.5 Instruct for conversational answers.
- Connected client databases through async SQLAlchemy (MySQL, MariaDB, PostgreSQL), Motor (MongoDB) and Google Cloud Firestore.
- Made generated queries safe to run on client data by parsing and validating SQL with sqlglot, enforcing read-only access and rate-limiting the API.
- Built results views with Recharts and a 3D chart view with Three.js and React Three Fiber; packaged the API, UI and a demo database with Docker Compose.

Tech: Next.js 15, React 19, TypeScript, Tailwind CSS, Python, FastAPI, Pydantic, SQLAlchemy, sqlglot, Ollama (Qwen 2.5), MySQL, PostgreSQL, MongoDB, Firestore, Docker

Abu Dhabi Global Management – real-estate rental platform with client and admin portals

- Worked full stack, mainly owning the frontend services in React and Redux.
- Handled integrations for the platform, connecting the frontend services with the backend microservices.
- Built features across the client and admin portals and resolved issues across the stack.

Tech: React, Redux, JavaScript, Microservices, Java, .NET Core, MySQL

APC CRM – customer relationship management (CRM) platform, revamped on a modern stack

- Worked as a full-stack developer on the revamp of the existing CRM, rebuilding the frontend in React and the backend in Node.js and Express.js.
- Implemented the Xero accounting integration for the CRM.
- Worked on the MySQL data layer behind the revamped application.

Tech: React, Node.js, Express.js, MySQL, Xero API

NexTalent – recruitment and applicant tracking system

- Built the interview scheduling roster, the job section and the employee details section.
- Implemented Formik for dynamic forms, added missing validations, and integrated AWS S3 file uploads.

Tech: React, Tailwind CSS, Material UI, Node.js, Express.js, MongoDB, AWS S3

Group Captain – project, timesheet and attendance management platform

- Developed the complete frontend in React and TypeScript, including the dashboard, timesheets, end-of-day reports and attendance, and integrated it with the backend APIs.

Tech: React, TypeScript, Node.js, Express.js, MongoDB

NextDesk – company help desk and ticketing system

- Sole developer on the existing Ruby on Rails application: added features to existing modules, optimized the app and improved the UI.
- Built an API for the mobile app, rake tasks that import data from other systems, and email notifications when tickets are resolved.
- Added an admin role that can see all departments' tickets without acting on them, and an option for managers to stop emails from their team.

Tech: Ruby on Rails, MySQL, JavaScript, Bootstrap

Meals App – employee meal ordering app with mobile apps and an admin portal

- Developed frontend components, including the meal scheduling roster, and integrated them with the backend APIs.

Tech: React, React Native, Node.js, Express.js, PostgreSQL

Ruby on Rails Projects – Outdoor Sports Connection, National Career Fairs and Open Source Billing

- Built user listing sections, fixed frontend and backend bugs, resolved PDF generation and SMS campaign issues, and worked on invoice PDF templates.

Tech: Ruby on Rails, PostgreSQL, MySQL, Twilio, jQuery

EDUCATION

Bachelor of Science in Computer Science – FAST National University of Computer and Emerging Sciences (FAST-NUCES)