

# Behbod Babai

Full-Stack Engineer | AI Systems & Integrations

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## SUMMARY

Full-stack engineer building AI systems end to end: React and TypeScript frontends, Node.js services and APIs, and the AWS infrastructure and CI/CD behind them. At Alexander Innovation Centre, owns architecture across AI agent platforms, voice AI, and CRM and scheduling integrations. Hands-on across the stack, with regular PR review, engineer onboarding, and client-facing work across 5 pilot deployments.

## SKILLS

**Languages:** JavaScript, TypeScript, Python, PHP, SQL, HTML/CSS, Swift, Java, C#

**Frontend:** React, Next.js, React Native, Redux, Tailwind CSS, SASS/SCSS, Material UI (MUI), Bootstrap, jQuery, Vite, Webpack, Jest

**Backend & APIs:** Node.js, Express.js, REST APIs, webhooks, WebSockets, Firebase Functions, serverless, authentication (OAuth), API design

**AI Systems:** AI agents, agentic workflows, prompt engineering, RAG, knowledge bases, guardrails, agent evaluation, voice AI, LLM integrations (OpenAI, Anthropic Claude)

**Cloud & DevOps:** AWS (Amazon Web Services), Linux, CI/CD, GitHub Actions, Docker, Cloudflare, DNS, cPanel, Vercel, Netlify, Render, Jenkins

**Databases:** PostgreSQL, MySQL, MongoDB, Firebase Firestore, Redis, SQL/NoSQL

**Integrations:** Twilio, Vapi, ElevenLabs, Nylas, TwiML, speech-to-text, text-to-speech, CRM and scheduling systems

**Practices & Tools:** System design, solution architecture, algorithms and data structures, OOP, internal tools, automation, accessibility, Agile, unit testing, code review, mentoring, Git, JIRA, Figma

## EXPERIENCE

### Full-Stack Engineer (AI-Enabled)

Oct 2025 - Present

Alexander Innovation Centre | Vancouver, BC | Full-time, on-site

- Own architecture across AI platforms, backend services, and integrations, from data model and API design to deployment.
- Build AI agent systems on the OpenAI and Anthropic Claude APIs, with 25+ agents live in production: prompt engineering, RAG pipelines, knowledge bases, and guardrails and control flows that keep agent output predictable.
- Build and maintain an in-house voice AI engine handling thousands of calls a week, including Twilio, Vapi, and ElevenLabs integrations, call routing, latency tuning, and handoff to human agents.
- Ship full-stack features across React and TypeScript frontends and Node.js services backed by REST APIs and SQL and NoSQL databases.
- Build real-time webhook systems and lead ingestion pipelines from scratch, with custom field mapping and PHP integrations into existing tooling.
- Automate CRM, lead management, scheduling, and inbound/outbound workflows that previously ran manually, including Nylas calendar integration.
- Design and maintain the CI/CD pipelines and GitHub Actions workflows the team deploys through; manage AWS, DNS, Cloudflare, and cPanel; improve system performance, reliability, and security.
- Review PRs for a team of 5, mentor and onboard engineers, take part in hiring and technical interviews, and contribute to product and technical direction.

### Full-Stack Engineer

Jan 2025 - Oct 2025

BMNS Innovations | Vancouver, BC | Full-time, remote

- Built internal tools and full-stack features with React, TypeScript, Redux, Node.js, and Firebase.
- Integrated REST APIs and database layers across PostgreSQL and Firebase Firestore.
- Built reusable, accessible, responsive UI components and refactored legacy code, working in Agile sprints with cross-functional teams.

### Frontend Developer

Apr 2025 - Sep 2025

Array | Nanaimo, BC | Part-time, hybrid

- Built responsive websites from Figma designs, including custom WordPress, WooCommerce, and Shopify builds.
- Developed with PHP, jQuery, and SASS; improved UI/UX and frontend performance across client sites.

### Full-Stack Developer (Freelance)

Jan 2022 - Dec 2024

Self-employed | Vancouver, BC | Part-time, remote

- Built and deployed client web applications and dashboards using React, Node.js, and PostgreSQL.
- Integrated third-party APIs and services; deployed on Vercel, Render, and Netlify.

### Senior Computer Service Technician

Jun 2022 - Jul 2024

London Drugs | Vancouver, BC | Part-time, on-site

- Diagnosed hardware and software issues, performed system upgrades, trained new technicians, and supported customers.

## PROJECTS

**AI Voice Agent Microsite** [github.com/behi22/aic-voice-microsite](https://github.com/behi22/aic-voice-microsite)

Interactive system-design proposal for a restaurant voice agent: AI IVR, conversational ordering and reservations, and human handoff, with call flows, data model, API surface, KPIs, and a DevOps plan documented. Built with Next.js, TypeScript, Tailwind, Framer Motion, and Recharts.

**AI Outbound Voice Agent (Hackathon)** [github.com/behi22/PettyAF](https://github.com/behi22/PettyAF)

Hackathon project. AI voice agents that place real outbound calls, with live call monitoring and transcripts. React, Vite, Express, TypeScript, Vercel.

**Visitor Classifier** [github.com/behi22/visitor-classifier](https://github.com/behi22/visitor-classifier)

Web scraping and visitor classification service: Python API with Redis caching and PostgreSQL, plus a React frontend. Deployed on Render.

## EDUCATION & CERTIFICATIONS

**Langara College, Vancouver, BC – Associate of Science, Computer Science**

Jan 2019 - Aug 2021

**Certifications:** Codecademy Front-End Engineer Career Path | Udemy React & TypeScript | Udemy MERN Stack Front To Back