

Ankur Banerjee

SOFTWARE DEVELOPER & DIGITAL SOLUTIONS CONSULTANT

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Experience

Independent | Digital Solutions Consultant

Mar 2025 – Present, Toronto

- Collaborated with clients to assess business needs and delivered customized digital solutions, improving operational efficiency and customer engagement.
- Led end-to-end implementation of web and software projects, integrating APIs, CRMs, and cloud services to streamline workflows and drive digital transformation.

Mi9 Retail (Retail Software Solutions) | Senior Software Engineer

Mar 2024 – Mar 2025, Toronto

- Implemented new screens and functionality using React.js, Typescript, Redux. Updated codebase to follow modern front end design standards using Material UI, automated formatting using Prettier, automated UI tests using Jest.
- Created secure and robust RESTful APIs/WebSocket connections using Node.js and MSSQL, implementing encryption and validation protocols for sensitive business data (e.g., users, orders, products), ensuring full compliance with security standards. Deployed and managed these services on GCP cloud platform with a Redis caching layer.
- Mentored two junior engineers conducting over 100 code reviews and delivering weekly guidance sessions. Contributed to team growth by participating in the hiring process for 3 additional engineers.
- Implemented AI solution for processing invoices from vendors. Using LLM/ChatGPT technology to extract invoice info from PDF files, which are then imported and validated into the Mi9 system as invoices.
- Led the backend migration to modern Node.js standards, incorporating native ESM imports, linting rules, CI pipeline optimizations, which improved build times by 40%. Introduced SonarCloud Bitbucket integration which allows for automated code reviews and security audits.

Mi9 Retail (Retail Software Solutions) | Software Engineer II

Jan 2022 – Mar 2024, Toronto

- Designed and implemented over 10 major end-user facing application screens and new functionality related to POs, products, stores, and other general retail management resources.
- Delivered robust 3rd party retail integrations with Google LFP, ANT and Ace Hardware systems, enabling the processing of over 10,000 daily transactions, allowing retailers to publicize and market their products better.
- Migrated portions of a legacy .NET Visual Basic application to a modern web-based platform using Node.js and React, reducing maintenance costs by 40%. Successfully transitioned over 70,000 lines of legacy code, enhancing user experience.

Fülhaus (AI Startup Interior Design) | Software Developer

Jul 2020 – Jan 2022, Montreal

- Designed and implemented a furniture stock-level updater service that parsed CSV and Excel files from multiple vendors daily, performing real-time database updates to ensure inventory accuracy.
- Used Python to develop micro-services using pre-trained machine learning models to extract features from furniture images, enabling advanced color and image search functionality. Improved user search accuracy by 35%.
- Seamlessly integrated third-party APIs and SaaS platforms, including Pipedrive, Airtable, MailChimp, and Cloudinary, into internal applications, streamlining workflows and enhancing operational efficiency.

Skills & abilities

- React.js, Odoo, ERPNext, SEO, Wordpress, Javascript, Typescript, Python, Django, Node.js, Express, SQL, AWS, GCP, Docker, HTML, CSS, Angular, Vue.js, LLM, GPT, Next.js, MSSQL, PostgreSQL, REST APIs, MongoDB, Git, Docker, Jira.
- Native English, intermediate French and Spanish.

Education

Concordia University, BA, Cumulative GPA 3.97/4.3

Graduated May 2020, Montreal

Major: Mathematics and Statistics | Minor: Computer Science

Top 1%, Dean's list in Faculty of Arts & Science in 2018-19 academic year: \$1500 Scholarship awarded.