Kevin Chau

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EDUCATION

Western University   December 2025
Bachelor of Science Specialization in Computer Science   *London, ON*
- **Relevant Coursework:** Data Structures and Algorithms, Computer Networks, Databases, Object-Oriented Design and Analysis, Internet Algorithms Organization of Programming Languages, Software Architecture

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript/TypeScript, C, HTML, CSS
Technologies: React.js, Next.js, Node.js, Express.js, Django, MongoDB, PostgreSQL, Redis, AWS (EC2, S3, RDS, Lambda)
Developer Tools: Git, Docker, Figma, VS Code, Visual Studio, PyCharm

EXPERIENCE

Software Engineer Intern   Remote
Constant Closer   *March 2025 – August 2025*
- Reduced daily Slack support tickets by over **95% (from 30+ to less than 2 per day)** by developing a self-serve dashboard with a guided campaign-creation wizard in **Django** and **Bootstrap**, enabling users to launch campaigns without support.
- Enhanced collaboration and user engagement, as measured by **50+** active users creating and managing dozens of teams, by designing and implementing a team management system with database models, invitation flow, and role-based access control.
- Optimized activity-feed performance, as measured by a **98%** reduction in load time (from several seconds to under 100 ms), by optimizing **PostgreSQL** indexing, adding **Redis caching**, and implementing cursor-based pagination.
- Developed a CSV upload and validation feature supporting email lists of **100,000+** contacts, by integrating client-side parsing in **JavaScript** with an AWS Lambda workflow to verify and persist valid email data in the database.

Software Engineer Intern   Remote
HitMeUp.ai   *May 2024 –September 2024*
- Increased lead conversions by up to **10%**, measured through Amplitude, by developing a sandboxed, responsive iframe chat widget that dynamically injected **HTML** from **Django** templates into client websites.
- Built a **Python**-based metadata scraper with BeautifulSoup to extract HTML content from a URL, improving data accuracy and reducing manual input.
- Developed the user-facing dashboard in **React Native**, implementing core user workflows with mobile-responsive UI and seamless integration with existing APIs.

PROJECTS

AlphaBack | *AWS, Python*
- Designed and implemented a cloud-based model upload and management pipeline using **Amazon S3** and **DynamoDB**, supporting dozens of unique model artifacts across development and testing environments.
- Developed serverless REST APIs with **AWS API Gateway** and **Lambda** to register and retrieve model metadata, enabling **3+** backend services (upload, verification, simulation) to consume models via a centralized registry.
- Introduced automated unit testing with pytest and mocked AWS services, achieving **80–90%** coverage and significantly improving reliability of model ingestion and registry workflows.

Eleet – LeetCode Discord Bot | *Node.js, TypeScript, MongoDB, Discord.js*
- Increased engagement and coding consistency for **30+ users** by building a Discord bot that posts daily LeetCode problems and tracks user progress
- Implemented scheduled posting with node-cron and timezone-aware dispatch (day.js), plus a no-repeat rotation algorithm persisted in Mongo to avoid duplicates.

Northstar Countertops Website | *Next.js, TypeScript, TailwindCSS, Vercel*
- Improved local business visibility and inbound leads by developing and deploying a responsive promotional website on Vercel using **Next.js** and **Tailwind**.
- Implemented a custom **contact form with Google Sheets integration**, streamlining inquiry management and eliminating manual data entry.
- Enhanced SEO discoverability and indexing by optimizing metadata, structured schema, and sitemap configuration.