Mitravasu Prakash

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EXPERIENCE

Basis Technologies   Toronto, ON
Software Engineer   *April 2025 - Present*
- Built **Node.js** services to support **AI**-assisted **Playwright** test generation, reducing manual test authoring time by **25%**
- Built a tool that simplified test setup, **reducing long review cycles** and **tripling** new test creation, increasing release velocity

Associate Software Engineer   *January 2024 - March 2025*
- Architected a **Playwright** framework in **TypeScript**, cutting E2E test creation time by **50%** through reusable components
- Automated **API** tests to validate Meta Ads data synchronization, reducing manual checks by **90%** and boosting release confidence
- Partnered with **Agile** teams during staging to identify and **fix critical bugs**, enhancing product stability before launch

University of Toronto   Toronto, ON
Full Stack Software Engineer   *April 2024 - October 2024*
- Collaborated with CS and Psychology faculties to build an **AI**-driven chatbot **API** for evaluating active listening skills in students
- Developed and deployed a secure, scalable **API** on **AWS** with **Docker** and **JWT** authentication to prevent unauthorized use of **LLMs**
- Enabled real-time conversational evaluation by integrating **AI** voice models via **WebSockets**
- Automated testing and deployment through **CI/CD** pipelines using **GitHub Actions** and **Firebase**, ensuring smooth releases
- Adapted project scope from full **web application** to **API**-only, demonstrating flexibility and responsiveness to stakeholder needs

University of Toronto Hatchery   Toronto, ON
Full Stack Software Engineer   *September 2021 - December 2023*
- Integrated DocuSign with the admin dashboard to automatically match applicant documents, eliminating manual cross-checking and reducing management overhead by **30%**
- Automated recurring startup emails via a **Vue.js/PHP** tool, cutting manual effort for mentors and admins by **50%**
- Optimized complex **SQL** queries to improve dashboard load times by **41%**, enhancing user experience and responsiveness

Basis Technologies   Toronto, ON
Software Engineer Intern   *June 2023 - August 2023*
- Collaborated with senior engineers to migrate end-to-end tests to a modern **Java JUnit 5** framework, reducing test execution time by **50%** and shrinking regression cycles from **3 days to 1 day**

Software Engineer Intern   *June 2022 - August 2022*
- Integrated **Redis** to persist campaign states locally, enabling realistic simulation of spend behavior over time in tests
- Developed a **Java REST API** exposing **Kafka** campaign data with filtering by status, spend, and timeframe, enabling faster troubleshooting of non-spending campaigns

University Health Network   Toronto, ON
Full Stack Software Engineer Intern   *January 2021 - August 2021*
- Built a self-service payroll tool using **PHP**, **JavaScript**, and **WordPress**, reducing manual payroll processing effort by **95%**
- Automated weekly project status reports via **cron** jobs, improving PMs' visibility into team progress and resource allocation

EDUCATION

University of Toronto   *September 2019 - December 2023*
Honours Bachelor of Science, Computer Science
Relevant Courses: Machine Learning, Advanced Data Analysis, System Design, Blockchains and Decentralized Applications

SKILLS

Languages: Java, TypeScript, Python, C, C#, PHP

Frameworks: React, Vue, Next.js, Node.js, Express, Selenium

Databases: MongoDB, MySQL, PostgreSQL, Firestore, Neo4j

Tools & DevOps: Docker, AWS, Git, Kafka, Firebase, nginx, Harness, CI/CD