

Mitravasu Prakash

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EXPERIENCE

Basis Technologies

Toronto, ON

Software Engineer

April 2025 - Present

- Built an internal TypeScript library using Playwright to streamline UI interactions in E2E tests for core features
- Led Playwright and TypeScript onboarding across teams, ensuring smooth adoption of new tools

Associate Software Engineer

January 2024 - March 2025

- Architected **Playwright**-based infrastructure to accelerate **E2E** test automation for a complex web app
- Developed **API** tests to verify two-way sync API calls for **Meta Ads**, ensuring accurate data synchronization.
- Maintained a 90%+ test suite pass rate by upgrading automation infrastructure to support migration to **Auth0**
- Boosted bug detection by 40% via critical feature test automation using **Java** and **Selenium**
- Improved **cross-environment** test compatibility through strategic API call use
- Resolved bugs and stabilized platform through close collaboration with **Agile Scrum** teams

University of Toronto

Toronto, ON

Full Stack Software Engineer (TalkLab)

April 2024 - October 2024

- Utilized **OpenAI LLM** to evaluate and provide feedback on users' active listening skills
- Leveraged **web sockets** to connect an **AI** voice model to the evaluator **LLM** enabling real-time user conversation
- **Dockerized** an **API** microservice and deployed it on **AWS** for scalable and efficient operation
- Configured **JWT authentication** and added **HTTPS** to secure API endpoints.
- Automated deployment and testing by configuring **CI/CD** pipelines using **GitHub Actions** and **Firebase**

University of Toronto Hatchery

Toronto, ON

Full Stack Software Engineer

September 2021 - December 2023

- Boosted administrative efficiency by 30%, by building a document management tool incorporating **DocuSign API**
- Accelerated email communication by 50% by developing an email scheduling tool using **Vue.js**, **PHP**, and **WordPress**
- Improved load times by 41% by optimizing **SQL** queries of the admin dashboard

Basis Technologies

Toronto, ON

Software Engineer Intern

June 2023 - August 2023

- Reduced test suite run times by refactoring existing code to use conditional waits using **Java** and **Selenium**
- Decreased test run time by over 50% by migrating 50+ test cases to a new UI testing framework

Basis Technologies

Toronto, ON

Software Engineer Intern

June 2022 - August 2022

- Enhanced real-time bidding simulation by integrating **Redis KV database** for improved data persistence and accuracy
- Streamlined debugging by developing a **RESTful API** in **Java** for **Kafka** messages, improving client campaign status tracking

University Health Network

Toronto, ON

Full Stack Software Engineer Intern

January 2021 - August 2021

- Boosted process efficiency by 50%+ and reduced manual effort by developing a self-service payroll tool with **PHP**, **JavaScript**, and **WordPress**.
- Increased administrative efficiency by 70% by automating project metric updates with **cron jobs**

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, Python, C, JavaScript, TypeScript, HTML, CSS, C#, PHP

Frameworks/Libraries: Node.js, Express.js, Next.js, React, Vue.js, Vite, NumPy, pandas, Tailwind CSS, Selenium

Databases: MongoDB, MySQL, PostgreSQL, Firestore, Neo4j, MS Access, MS SQL

Tools: Docker, AWS, nginx, Linux, Git, Harness, Kafka, Firebase, JIRA, WordPress, Postman, Figma, Unity