Akila Kavisinghe

akilakavisinghe1999@gmail.com ❖ (647) 760-7682 ❖ Toronto, ON, CA ❖ akila-kavisinghe.github.io

WORK EXPERIENCE

[Stompers]   **December. 2024 – Present**
Full Stack and Mobile Engineer   *Contract, Remote*

A competitive iOS step-tracking game. **15K+ DAUs, $20K monthly revenue, and a $5M valuation**, **funded by Rocco Basilico (Owner of Luxottica, Meta Ray-Bans)**

- **Migrated and scaled backend APIs** from **Firebase** to **Express.js** on **AWS**, reduced costs by **40%**.
- **Improved onboarding completion rate by 30%** through A/B testing and optimized **UI components**.
- **Boosted web-to-app conversions w/ Airbridge Deeplinking**, increased acquisition **20%**, reduced CPI **15%**.
- **Built and maintained scalable React components** for web/mobile and optimized in-app store to **increase revenue opportunities**.

Parallelz   **March 2024 – February 2025**
Lead Full Stack Engineer   *Full Time, Toronto, ON, CA*

An R&D company developing a cloud-based game streaming architecture, delivering instant playability and near-native speed on the web. **VC-Funded, and a $5M valuation**

- **Developed a comprehensive Developer Experience Platform in just 1.5 months.** Implemented key features such as authentication, user/API key management, an automated deployment pipeline, in-app purchase (IAP) management, and financial tracking.
- **Developed AI-driven automated app testing for large-scale deployments**, improving app discovery, load testing, and support through intelligent error detection and data analysis.
- **Engineered an In-App Purchases system with Xsolla integration,** delivering a developer-friendly SDK with comprehensive documentation for seamless integration and financial analytics.
- **Developed a web platform for streaming apps, creating a 'YouTube for Apps' experience** where users can instantly browse and stream applications without downloads
- **Designed and implemented an internal container orchestration testing tool**, streamlining deployment, execution, and performance analysis. Built an APK catalog with automated scraping, mass tagging, and a live testing client for real-time performance metrics and QA operations.
- **Developed a log parsing tool for Android Logcat**, capable of processing tens of thousands of logs, matching them to known patterns in our stack, categorizing errors, and enhancing observability for engineers to diagnose technology faults efficiently.

[Limelight.gg]   **October 2023 – April 2024**
Technical Co-Founder, Full Stack and Mobile Engineer   *Full Time, Remote*

A live streaming social media iOS app helping users get famous. **500+ DAU, 1K monthly revenue.**

- **Led** a team of engineers optimizing backend performance, constructing UI designs utilizing **React**, and integrating **AWS/GCP** cloud functionality.
- **Developed** content delivery pipeline utilizing **FFMPEG**, and **AWS** improving retention rate by 15%.
- **Implemented** a novel follower-followee recommendation system utilizing graph algorithms, boosting user-to-user engagement by 50%.
- **Integrated LiveKit API** adding recording and replay functionality to application.
- **Collaborated** with stakeholders to understand user needs, and drafted UI/UX designs in Figma.

ADP   **September 2022 – September 2023**
Backend Platform Engineer | March 2023 – September 2023   *Full Time, Toronto, ON, CA*

- **Spearheaded** parity regression suite development accelerating parity development speed by 50%.
- **Crafted** custom dashboards and alerts, utilizing **APM** monitoring software leading to 50+ parity resolutions.
- **Led** a task force improving functional parity between a legacy **Node** and **Java** engine from 50% to 90%

Full Stack Software Engineer | September 2023 – February 2023

- **Resolved** 20+ large-scale backend and frontend issues using **APM** monitoring and debugging techniques, safeguarding client relationships.

- **Drove** 100% WCAG accessibility compliance via meticulous front-end component audits and modifications.
- **Contributed** to a **React** UI component upgrade initiative, participating in end-to-end testing and clarifying functionalities.

Bell Canada via Artificial Silicon   **September 2021 – August 2022**

Full Stack Software Engineer   *Full Time, Remote*

- **Architected** a backend service used in 5000+ cell towers across Canada automating password rotations, improving security and efficiency by 30%.
- **Designed** a web scraper to automate operator workflows within controller interface.
- **Documented** 30+ pages worth of software documentation for future engineers to a high standard.

Caseware International   **May 2020 – August 2021**

Full Stack Software Engineer   *Full Time, Toronto, ON, CA*

- **Assisted** in code migration and refactoring for deployment and **ETL** pipelines using **CI/CD** frameworks.
- **Developed** and managed external accounting **API** integrations, used **APM** tools for bottleneck debugging.
- **Focused** on data sanitization, **ETL** optimization, and supplying clean datasets for machine learning projects within a cross-functional team.

EDUCATION

McMaster University   **April, 2022**

Bachelors of Engineering, Software Engineering   *Hamilton, ON*

- **GPA: 3.7/4.0**, McMaster Rocketry Team Lead, Vice President of Media for McMaster Sri Lankan Association

PROJECTS

Amber Alert Plus - Capstone   **September 2021 - April 2022**

- Led a software engineering team in a comprehensive overhaul of the Ontario Amber Alert system, significantly improving its efficiency and responsiveness.
- Enhanced alerts with visual data and real-time updates, established a centralized information hub for public engagement, facilitated easy-sighting reports, and bolstered security measures to ensure data integrity and public confidence.

SKILLS & INTERESTS

- **Programming & Scripting:** JavaScript/TypeScript, Python, Go (Golang), Java, SQL, Bash
- **Web & App Development:** React, React Native, Next.js, Node.js, Spring Boot, HTML, CSS
- **Databases & Cloud:** PostgreSQL, MongoDB, Firebase, AWS, S3, Lambda, Serverless
- **DevOps & CI/CD:** Docker, GitHub Actions, Jenkins
- **Observability and Monitoring**: ELK Stack (Kibana, Elastic Search), AWS CloudWatch
- **Testing & Automation:** Selenium, Playwright, Jest, E2E Testing
- **Tools & Methodologies:** AGILE, JIRA, Git, Metabase, Linux
- **Soft Skills:** Innovation, Leadership, Collaboration, Adaptability, Problem-Solving, Critical Thinking, Creativity
- **Interests:** Entrepreneurship, Public Speaking, Tutoring, Martial Arts, Music Production