Keith Tang

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EXPERIENCE

Full Stack Developer | Arima, Toronto, ON   **Feb 2022 - present**

- Engineering a data-driven application that empowers clients to autonomously craft sophisticated marketing mix models, resulting in a significant 30% increase in customer engagement
- Implement an alerting framework using Cloudwatch, Flask, and Webhooks to collect real time usage data while enhancing the time to detection and mitigation for critical bugs and issues
- Incorporate state caching for key BigQuery operations, yielding a 55% reduction in page load times and mitigating API traffic, decreasing GCP costs by 25%
- Crafting and deploying 50+ new feature applications with a focus on an intuitive GUI using React.js, Redux, and Python to deliver a comprehensive and dynamic user experience
- Designed and implemented a new web scraping service by implementing a multiprocess breadth-first search proxy system hosted in EC2, increasing scraping speeds and data accuracy by 50%
- Interacting with multiple clients, collecting feedback and executing end-to-end solutions for custom client requests

DevOps Engineer Co-op | MicroFocus (OpenText), Ottawa, ON   **May 2021 - Aug 2021**

- Contributed to the Developer Operations team to improve quality analysis and streamline development workflow across the organization
- Implemented Sonarqube quality assurance tool in CI/CD Jenkins build pipelines enabling company wide repository code coverage metrics and reports
- Created Python tools to access API from web-based application lifecycle management platforms to update release managers using cron jobs for daily monitoring

UX Developer Co-op | MicroFocus (OpenText), Ottawa, ON   **Sep 2020 - Dec 2020**

- Worked on the front-end team developing components with features and tests in React.js, ES6, and JSX
- Engaged with customers, gathering and surveying data on a variety of experiences for potential bugs
- Implemented and integrated highly requested functionality and front end features which improved UI functionality and product user-experience

Quality Engineer Co-op | MicroFocus (OpenText), Ottawa, ON   **Jan 2020 - Apr 2020**

- Produced an automation system for the development life cycle with Java, utilizing the Apache Hadoop architecture for integration processes
- Identified core issues and underlying bugs during the development onboarding pipeline, decreasing developer on boarding time and improving product velocity
- Developed Bash scripts to efficiently and effectively deploy custom Interset software on a wide range of Kubernetes clusters

EDUCATION

University of Ottawa, *BASc in Computer Engineering Co-op | Ottawa, ON*   **Sep 2017 - Dec 2021**

- **GPA**: 3.7/4.0
- **Relevant Coursework**: Data Structures and Algorithms, Databases, UI/UX Design
- **Dean's Honour List**

Skills

- **Programming**: Python, JavaScript, SQL, HTML, CSS, Java
- **Technologies**: ReactJS, GCP (BigQuery, Datastore), AWS (EC2, CloudWatch, S3), Azure (Blob Storage), Git, Flask, Redux, Jenkins, Docker, Kubernetes, Bash, Firebase, Gradle, Selenium
- **Concepts**: UI/UX Design, OOP, Data Structures and Algorithms, Agile Development, Cloud Computing, API Design, Operating Systems, Testing and Integration, Maintenance