Jamie Pinheiro

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SKILLS

Languages	JavaScript • TypeScript • Python • C# • Java • Kotlin • C++ • Ruby • HTML • CSS
Technologies	Node • Express • Rails • OAuth • NoSQL • SQL • GraphQL • Redis • Vue • React • Angular • .NET • Unity3D
Tools	AWS • Azure • Heroku • Firebase • Datadog • Git • Jira • TFS • Docker • Kubernetes • PowerBI • Mode

EXPERIENCE

FAIRE | Backend Engineer   Waterloo, ON | Sept '19 - Dec '19
- Worked on the platform team to improve server stability as user load increased significantly with growth
- Broke up **5+ tasks** into a series of compartmentalized jobs to allow for load balancing, reducing failure rate by **80%**
- Reduced API endpoints latency by **over 50%** by refactoring inefficient **MySQL Queries** with **Kotlin**
- Integrated with **Datadog** to track job/task performance, and set up **Custom Alerting** for key metrics
- Set up tooling to measure performance of **Kubernetes Pods** deployment by service (**Redis**, **Hibernate**) to better understand developer velocity and CI/CD Turnaround
- Migrated to the latest **Square Connect API** for **OAuth** used in the build-in "POS system linking"

MICROSOFT | Software Engineer   Redmond, WA | Jan '19 - April '19
- Used **GitHub Webhooks** to add unfurling and linking on "work item mentions" for **10 000+ users** of Azure Boards and GitHub, built with **React/.NET**
- Configured a redundancy job to ensure consistency using **GitHub GraphQL** together with **Azure SQL DB**
- Developed a servicing job that ran on **200 000+ teams** to ensure backwards compatibility of future integrations
- Published **Kusto Queries** to a **PowerBI Dashboard** to track feature usage, error rates, and performance

MICROSOFT | Explorer   Redmond, WA | May '18 - Aug '18
- Architected an extensible framework for developing "quick fixes" for common C++ errors inside **Visual Studio**
- Developed **10+ IDE Refactoring Functions** to improve developer productivity with **C++/C#**
- Implemented a **Fuzzy Search Algorithm** with compiler data for suggesting corrections to misspelled code
- Drafted spec documents by conducting user studies and analysing telemetry for new experiences/flows

ENERGYHACKS | Director   Waterloo, ON | Sept '17 - Present
- Organized uWaterloo's first **Sustainability Hackathon**, connecting **200+ students** with mentors and sponsors
- Led the engineering team by delegating work, code reviewing and maintaining the website's CI/CD pipeline to AWS
- Ran a social marketing campaign, utilizing SEO tactics to reach over **20 000 individuals**
- Connected with numerous sponsors and secured over **$3000** worth of funding

PROJECTS

PLACE-AI   place-ai.web.app
- Web App built at Hack The North that assists small business owners in finding ideal store locations based on demographic quantifiers and competitor analysis using machine learning
- **Azure ML** was used with data from the Canadian Census and **Facebook Places' API** to perform clustering
- Serverless backend cached API calls with **Cloud Firestore** and used **Cloud Functions** to process and serve the data
- Used **Google Maps' API** and **Vue** to render multi-level heatmaps along with local competitor and real estate data

GIF-CHAT   gifchat1.herokuapp.com
- Full Stack chat room application that allows users to communicate solely using gifs
- Frontend was built with **React**, backend was built with **Node.js/Express.js** utilizing web sockets for live chat, **Bing's Search API** for finding gifs and **MongoDB** to store message data

EDUCATION

UNIVERSITY OF WATERLOO | Bachelor of Computer Science   2017-2021
Dean's Honor List 2018 • President's Scholarship of Distinction • Faculty of Mathematics Entrance Scholarship