Michael Brazeau

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https://michaelbrazeau.github.io/CV-Michael-WWW

Over six years of full-stack web development experience, specializing in Java, AWS Web services, Docker/Kubernetes, Kafka, SQL/NoSQL databases, and C# (with Unity) with solutions designed with high scalability and reliability.

PROFESSIONAL EXPERIENCE

Expedia Group - Expedia Commerce Payments
Software Engineer - Level 2 | Mid August 2022 - Current
- Developed API and asynchronous services to expose payment data from Amazon RDS MySQL database to partners listing hundreds to thousands of properties on VRBO, supporting around 40,000 plus partners servicing approximately 300,000 requests a day.
- Designated as team's vulnerability champion, responsible for managing security vulnerabilities across the team's repositories. Led team's vulnerability patching, migrating all applications from java 8 services to java 21 services, resulting in reducing overall vulnerability footprint by 92%.
- Built and presented a postman collection runner tool which was eventually adopted by some teams across the organization
- Lead migrations and KT sessions for a handoff of tax form related services. Provided ongoing support, during which Identifying large volumes of stale and malformed data, correcting over 20,000 tax forms and saving Expedia $100k a year in form resubmission fees.
- Refactored a legacy tax form system to fix long standing issues reducing customer support engagement by 90%.
- Migrated new EFT payment system to move from local datacenter to dockerized apps running on ECS that now settles over 10 million USD in transactions every month.
- Served as team Scrum Master following Agile Methodologies.

Expedia Group - Vrbo Payments Team, VRBO Financial Pipeline
Software Engineer - Level 1 | Mid January 2021 - Mid August 2022
- Developed a new API to support withholding tax for Mexico. Service calculates withholding tax for around 10k+ partners who list properties in Mexico and issues around 2,000 - 3,000 tax certificates a month.

INTERNSHIPS + PROJECT EXPERIENCE

Expedia Group - VRBO Payments Team, Partner Solutions
Software Engineering Intern | Summer 2019 & 2020
- Implemented microservice which enabled on-call devs to quickly access all relevant payment data for debugging purposes driving improving response time to customer support requests.

MORFOSI | UniDot Studios - Studio Co-Founder and Lead Systems Developer
Indie Horror Game | 2020
- Showcased live at *SGDA Student Games 2020*. Copies included as a part of the *Bundle for Racial Justice and Equality*. Has since been a part of many "let's play" videos on youtube with one video reaching ~300k views. Video link: https://youtu.be/zBhLm4EVGWU

SkySync, Inc. (Now DryvIQ)
Junior Software Engineering Intern | Summer 2015
- Developed a C# .Net Service deployed with EC2 to integrate with Box's cloud storage API which enabled partners using SkySync to perform migrations to/from Box.

EDUCATION   **University of Michigan** - BS in Computer Science