Erik Helal

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STACK AT A GLANCE

LANGUAGES: PHP•JavaScript/
TypeScript•HTML•CSS•Java•Python•C#•C

FRAMEWORKS: Yii, Express.js, Flask, Angular, React, PHPUnit, JUnit

DATABASES: MySQL, Clickhouse, MongoDB

TOOLS: Kafka, Redis, Elasticsearch, Docker, Kubernetes, Git, Travis CI, AWS, Azure

WORK EXPERIENCE

CIGO TRACKER *(Delivery Management, Startup)*
Full Stack Web Developer
Jan. 2021 - Present (Permanent, Full-time)
- Contribute to decoupling of **Yii PHP** monolith into **Node.js** microservices
- Support transition from vanilla **JavaScript** front-end to **TypeScript** in **Angular**
- Implemented contactless digital signature system for customers to safely confirm receipt of delivery using **AWS S3** and **AWS SES**
- Reduced duplication in reporting system by refactoring legacy code to leverage **OOP**

FLIGHTHUB / JUSTFLY *(Travel, Mid-size)*
Full Stack Web Developer
Jun. 2019 - Jan. 2021 (Permanent, Full-time)
- Increased booking class upsell rate by 25% by updating **PHP** implementation of main supplier's **SOAP API** and writing unit tests
- Built an intelligent airport autocomplete with fuzzy-matching and localization using **Elasticsearch** to improve user experience
- Empowered marketing team to register annual record revenue day from email sales by investigating, debugging, and validating legacy **MySQL** to Salesforce data pipeline
- Automated processing of hundreds of daily refunds by building pipeline with **Apache Kafka**
- Optimized server RAM usage from ~100% to ~70% by analyzing workloads and reconfiguring crons accordingly

EDUCATION

MCGILL UNIVERSITY
B.Eng. Chemical Engineering
Minor Computer Science
Sept. 2016 - May 2020
- Graduated with Distinction
- Cum. GPA: 3.81/4.00

LEADERSHIP & AWARDS

SCHOLARSHIPS
- Richard Herzer, Dr. P. K. Ganguli Memorial, John Howard Ambrose, and ACDEG scholarships
- Awarded for academic achievement and community involvement
- Covered 50% of tuition

MCHACKS *(Hackathon)*
Feb. 2019
- Built "Bird Game" using **Unity** game engine and **C#** scripts in 12 hours
- Won Tangelo Games challenge out of 10 teams

NOBE MCGILL *(Business & Engineering Club)*
VP Finance
Sept. 2017 - Aug. 2018
- Organized business-themed networking events, workshops, and case competitions targeted to engineering students
- Pitched club's events to potential sponsors
- Prepared budget, recorded cash flows, and issued reimbursements to members

AIESEC MCGILL *(Volunteering Abroad)*
Director
Sept. 2016 - Aug. 2017
- Consulted university students to find volunteering opportunities in international startups or NGOs
- Marketed AIESEC programs to students on campus by making classroom announcements and hosting information sessions
- Helped manage a team of 16 members, ultimately coordinating over 50 exchanges

LANGUAGES: Native English and French. Officially professionally proficient in Japanese as a self-learner. I was also a reality TV star in China once upon a time. Intrigued? Find out more: erikhelal.com