Erik Helal

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STACK AT A GLANCE

LANGUAGES: JavaScript/TypeScript, Java, PHP, HTML, CSS

FRAMEWORKS: Spring Boot, Angular, Yii, Express.js, React, PHPUnit, JUnit, Jasmine, Karate

DATABASES: MySQL, PostgreSQL, Clickhouse, MongoDB

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

EDUCATION

CONCORDIA UNIVERSITY
MBA - General
Jan. 2022 - May 2024 (expected)
- Taking evening classes.

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

AWARDS

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

LANGUAGES

- Native English and French.
- Officially professionally proficient in Japanese as a self-learner.

BELIEVE IT OR NOT…

- ★ I was also a **reality TV star in China** once upon a time…
- ★ ***Intrigued? Find out more:***
  erikhelal.com

WORK EXPERIENCE

SAP *(Enterprise Resource Planning, Multinational)*
Full Stack Software Developer
Jul. 2021 - Present (Permanent, Full-time)
- In order to reduce method calls in Angular templates, proposed more nuanced approach to front-end architect. Solution was adopted, improving performance of certain pages **from slow and choppy to fast and smooth**.
- Conceived of and implemented **front-end integration testing proof-of-concept** (POC) using Karate framework. Although the solution was not adopted as-is, the QA team leveraged this work for their own E2E integration testing POC.
- To ensure security of encrypted data, key participant in the **architecture** of **envelope encryption** and **key rotation** mechanism spanning multiple microservices. Investigated feasibility on the application level (i.e. Java challenges) as well as on the infrastructure level (i.e. Kubernetes challenges).

CIGO TRACKER *(Delivery Management, Startup)*
Full Stack Web Developer
Jan. 2021 - Jun. 2021 (Permanent, Full-time)
- Supported lead developer on total revamping of platform's main selling point (delivery itinerary builder). Led to **~20% increase in sales**.
- Implemented contactless digital signature system for customers to safely confirm receipt of delivery in COVID-19 context. **Important feature for sales team** to pitch to customers for safety purposes.
- Implemented performance analytics dashboard. Allowed managers to have bird's-eye view of their drivers' performance and make **data-driven decisions** (e.g. performance bonuses).

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 implementation of main supplier's interface. Handled direct communications with technical representatives from supplier.
- **Led analysis of alternatives** when shopping for bot-detection service. Spearheaded communications with 3 competitors. Compared technical performance, ease of use, and price point. Presented findings to upper management.
- Empowered marketing team to register **annual record revenue day** from email sales by investigating, debugging, and validating legacy data pipelines, thereby providing the marketing team confidence in their data.