

Killian THEZELAIS

Montreal, Canada • kthezelais@gmail.com • 647-333-0970 • killian.thezelais.com

Education

IMT Atlantique

Brest, France

Master of Science, Computer Science & Networks - GPA 3.34

Sept 2017– Aug 2020

Relevant Coursework: Data structures, Algorithms, Software Architecture and Tests, Mathematics and signal processing.

IUT Mont-de-Marsan (UPPA)

Mont-de-Marsan, France

2-years University Degree, Network & Telecommunication - GPA 4.0

Aug 2015– Sept 2017

Relevant Coursework: Computer Science, Linux System and scripting, Matrices and Graphs, Networks and Security.

Experience

Riskfuel Analytics

Remote, Canada

Software Engineer – Backend / DevOps

May 2022– Nov 2024

- Responsible for enhancing and maintaining company's internal services & infrastructure while engineering new Microservices to boost efficiency.
- Implement Microservice spinning-up ready-to-go on-premises Kubernetes Clusters in <5 minutes.
- Led company's observability strategy for internal SaaS and critical core services over multiple Kubernetes clusters.
- Designed Developer remote environment, ensuring secure source code production in Datacenter.
- Boosted team productivity 2x with script automation and by creating/enhancing CI/CD pipelines.

Hewlett Packard Enterprise

Galway, Ireland

System Software Engineer

Aug 2021 – Feb 2022

- Joined the HPE GreenLake cloud department, focusing on its Terraform provider development in an Agile team.
- Enhanced functionality of a Golang CLI through feature additions and troubleshooting.
- Optimized CI/CD pipeline speed by 80%, leveraging Kubernetes clusters to simulate production environments.

Thales Alenia Space

Toulouse, France

Software Engineer (Apprentice)

Aug 2021 – Feb 2022

- Contributed in Architecture & Development phases of a Space Weather SaaS, visualizing the ionosphere atmospheric layer over time, in collaboration with IRAP French research laboratory in Astrophysics and Planetology.
- Led the development of the business layer and service backend (Java Vert.X), responsible for collecting GNSS metrics from diverse sources in real-time and converting from RTCM to RINEX format (Python/BASH).

Leadership & Projects

TheLatest.com, Inc

Santa Monica, CA, USA

Backend Developer (Intern)

Jun 2019 – Aug 2019

- Led migration of entire website by upgrading Symfony Framework from 2.8 LTS to 4.1.
- Accelerated home page loading time from a sluggish 12 seconds to <1 second.

Personal Projects

Dec 2020 – Jan 2025

- **Million \$ Idea**: website where anybody can view and star people's ideas as well as publish their own.
- **Learn Your Table**: online platform used to help children familiarize themselves with basic mathematical operations. I used this project to improve my skills in Golang, React, Docker and AWS EC2.
- **MealYou**: mobile application used to create groceries list in a way to limit over-consumption and limit food wastes. I used this project to learn React, Cordova / Ionic and to understand Play Store publication process.

Skills & Certifications

Programming Languages: Python (FastAPI), Javascript (React), BASH, SQL, Golang, Java, C

Technologies: Docker, Kubernetes, PostgreSQL, Github Actions, ArgoCD, Grafana, Prometheus, Ansible, Terraform

Certifications: Certified Kubernetes Administrator (CKA) – March 2023

Interests: Technophile, Hiking lover, Travel addict, Video game nerd