CASIMIR DESARMEAUX

Platform Engineer / Software Developer

casimir.desarmeaux@gmail.com
cv.cdesarmeaux.com

Platform engineer with a strong software development background. Curious and adaptable person, capable of fulfilling multiple roles within a tech team. Enjoys problem solving and spends a lot of time thinking of better ways to use technology.

<> SKILLS

Programming	Python, Typescript, Javascript, Bash, SQL, Powershell, Go
Platform Engineering	AWS, GCP, Kubernetes, Docker, GitHub Actions, DevOps, Infrastructure as Code
ML Ops	Prefect, MLflow, Snowflake, LightGBM

EMPLOYMENT

***Senior Back-End Engineer*, Black Duck AI** 2024-04 — Present
Remote, EU

Black Duck invests in football teams, using AI to enhance performance on the pitch and innovate club management off the pitch.

- Built a simulation system for predicting end-of-season results in football leagues
- Built machine learning pipelines for predicting player performance
- Delivered web applications for scouting and team optimisation

Projects: Football Season Simulator, Entity Mapping System

Technologies: TypeScript, Python, FastAPI, Kubernetes, GitHub Actions, Snowflake, LightGBM

***Senior Backend Developer*, Keyflow** 2022-09 — 2023-12
Stockholm, SE

Worked on Keyflow's customer backend and business applications as part of an agile team, ensured system availibilty and scalability

- Developed new features for the Keyflow customer API and business web-application
- Re-architected monolithic systems to containerized systems, boosting performance and scalability
- Implemented data collection systems in an event-driven way, enabling data-driven decision making

Projects: Customer Application Backend, Sales Metric Collection System, Service Breakdown and Migration, Payment Data Processing Tool

Technologies: AWS, GCP, Python, MongoDB, Postgres, Stripe, React, BigQuery, Kubernetes

***Cloud Architect*, Norges Bank Investment Management** 2020-01 — 2022-01
London, UK

Part of the Cloud Services team. Built and operated the AWS cloud platform using state of the art technologies

- Built and implemented internal tools to accelerate AWS adoption and streamline operations
- Led developer teams in re-architecting systems for optimal cloud utilization
- Enabled automation through CI/CD practices and configuration management

Projects: AWS Account Vending Machine, AWS Subnet Vending Machine, AWS DNS Subdomain Vending Machine, AWS Log Collector, Summer Interns Programs

Technologies: AWS, Cloudformation, Python, Windows, Linux

***Cloud Systems Developer*, Cloudreach** 2018-10 — 2020-01
London, UK

Worked on customer technical projects

- Drove the migration of multiple applications from on-premise datacenters to AWS
- Guided customers in transitioning their IT culture by fostering collaboration and agile methodologies, shifting from traditional models to a dynamic DevOps framework

Projects: Cloud Migration(*Norges Bank Investment Management*), Cloud Migration(*Aviva*)

Technologies: AWS, Cloudformation, Python, Windows, Linux, Ansible, Terraform, Puppet

***Software Developer*, Loutech Software (self-employed)** 2017-07 — 2018-09
Paris, FR

Spent a year doing freelancing work, learned the fundamentals of managing a company (legal, accounting, marketing etc)

- Built robust web applications for customers, working on the full stack
- Managed the infrastructure for the customers and ensured high availability
- Wrote complex data aggregation scripts to extract and process data from large datasets

Technologies: Python, Typescript, Oracle, OVH Cloud, SQL, Gitlab CI, Oracle

***Software Developer*, ON Animations Studio** 2016-09 — 2017-06
Montreal, CA

Worked in a small team of developers, working on in-house production tools and data management

- Built an internal production tool for streamlined asset sharing, enabling collaboration and feedback for animation movie production
- Leveraged NoSQL database for efficient management of asset attributes, likes, comments, etc.
- Developed a cost-effective solution for backing up S3 assets to local storage

Technologies: Angular, Typescript, Linux, S3, Couchbase, Python, Gitlab CI

★ PROJECTS

***Academic author*, IEEE Publications**
Wrote a paper in University about github projects using the Maven build tool

Mathematics tutor
Gave some mathematics lessons to high school students as a summer job

***Occasional tech blogger*, Medium**

EDUCATION

***B.Eng. in Software Engineering*, McGill University, Faculty of Engineering** 2011-09 — 2016-05

♥ INTERESTS

| *Mathematics* | | *Football* | | *History* |