

Forest Anderson

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EDUCATION

BCS in Computer Science
Carleton University
Honours in Game Development

LINKS

GitHub: AngelOnFira
Gitlab: AngelOnFira
LinkedIn: forest-anderson

SKILLS

Technologies: Docker • Kubernetes
AWS • Digital Ocean • Hetzner

VOLUNTEER

GitHub Campus Expert
Field Day Co-Lead 2021 - Present

RustLang Gamedev Working Group
Team Lead 2020 - Present

RustLang CTCFT Working Group
Member 2020 - 2022

HashiCorp Ambassador
Community Ambassador 2021 - Present

Carleton Computer Science Society
Various Roles Sept 2015 - May 2022

TALKS

GitHub Universe '22 Codespaces in
Education with David J. Malan

CUSEC '22 Leveling Up Game
Development with Rust

Rust in Arts '21 Director's
Commentary: Veloren

HashiTalks: Deploy '21 Nomad for
Students

Minidebconf '20 Community Game
Development in Rust: A Biopsy

EXPERIENCE

Awetza Nov 2019 – Sept 2024 | Remote
Backend Developer

- Maintained and upgraded legacy **Django** codebase on **Digital Ocean Virtual Machines** through multiple versions of **Python**
- Migrated bare-metal servers to a **Docker** solution in **Kubernetes**
- Architected and implemented backend rewrite in **Rust** with new database schema and modern practices

Timsle July 2018 – Apr 2020 | Ottawa, ON
Backend Developer

- Developed and maintained **Django** backend with focus on scalability and performance
- Implemented CI/CD pipelines using **Jenkins** and **GitHub Actions**
- Orchestrated migration from **Heroku** to **AWS Fargate** with containerized architecture
- Collaborated with the City of Ottawa and Carleton University to gather requirements and design new features

ScholarPro May 2019 | Ottawa, ON
Contract Developer

- Created **Docker** images for the production web servers and database
- Deployed the server stack on **AWS Fargate** and set up daily database backups
- Set up **CircleCI** for continuous delivery, and **Sentry** for error tracking

PROJECTS

PUBLICATIONS

L. Doyle, F. Anderson, E. Choy, D. Mould. **Automated pebble mosaic stylization of images**. Computational Visual Media, 5:33-44, 2019.