Alex Pedersen

Developer & OpsGuy with a passion for creating simple, efficient and scalable solutions.

EXPERIENCE

Backend Developer @ EnergyWorx

Dec 2020 - Current

Senior Backend Developer @ YoungOnes

Dec 2019 - June 30 2020

Worked as a lead advisor on the re-design and migration of the company platform into a decentralized microservices environment.

Designed and developed various python services, micro-services, APIs, Serverless (FAAS) functions, security auth and database tools and more including managing the company python CI/CD pipelines, hosting, backups, and various infrastructure needs.

Established comprehensive documentation, standards and procedures for in-house security and development as well as routines for disaster recovery and incident reporting.

Backend Developer @ OfficeApp

Apr 2019 - Nov 2019

Developed fullstack (pure) python applications and various RESTful API's and microservices deployed on AWS cloud infrastructure

Software Engineer @ Onpoint Creative Agency

Nov 2018 - Mar 2019

Co-developed a crypto currency trading application, built various tools such as scrapers, data sorters etc. Did some minor fullstack development in Laravel+vue.js

Software Tester @ Validér

Aug 2015 - Feb 2016

Worked on testing, troubleshooting and reporting on the deployment of 1/3 of Norways smart power meters. Did minor development work on a inhouse kiosk solution and set up the initial customer portal.

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Industry Knowledge
Decentralized systems
API Development
API Design & Architecture
Backend Development
Legacy migrations
Container Technology
CI/CD
Developer workflows
Static Analysis
Service & API testing
Service & API autom.

Tools & Technologies
OpenAPI, REST, Postman, FastAPI, Masonite, Flask, Django, Pandas, SQLAlchemy, RethinkDB, Redis, MySQL, Postgress, queues/event systems etc.

Platforms
AWS/GCP/Azure →
DigitalOcean/Linode/other

Other Skills
Rust, Bash, CSS/SASS, HTML5, PHP, Java, C#, C

Languages
Norwegian (native)
English (fluent)
Swedish (competent)
Danish (competent)
Dutch (basic)

Social
LinkedIn - alexpdrs
GitHub - alexpdr
PyPi - alexpdr

Software Development

Fontys University of Applied Sciences

2017 – 2019, Eindhoven, The Netherlands

Computer Engineering

University of Agder (UiA)

2016 – 2017, Grimstad, Norway

Trade Diploma: ICT-Service & Infrastructure

ICT-Service, Nordahl Grieg VGS / Dataoppdrag AS

2012 – 2015, Bergen, Norway

Starting from the ground up I have worked at close to every level from from hardware repair & customer support to being an advisor for development as a whole and lead for python.

It might not have been the most direct, but the path I chose has allowed me to gain valuable insights into the industry as a whole and the different types of workflows, challenges we face.

Software Development

The majority of my professional work has been in creating systems & workflows from scratch and/or migrating legacy systems to distributed and scalable technologies.

This has meant extensive work with service and serverless (FAAS), APIs and API technologies as well as automations & workflows improvements (CI/CD).

Lately my focus has shifted increasingly over to finding ways to generate and automate documentation, security and performance optimization.

Language of choice and primary tool is Python as it currently provides the fastest way to prototype and develop features over functions. This can be with JIT or rust/c-bindings for optimized & low-level intensive tasks.

System Administration & ICT Consulting

Starting in support & repairs, then moving to SysAdmin and Consulting I worked extensively with Windows and Linux servers, various user, email, networking and firewall systems at a medium/large scale.