

ANDREW CROZIER

Backend & ML Software Engineer

@ wacrozier@gmail.com 07595374142 acroz.dev acroz

EXPERIENCE

Principal Software Engineer

Faculty Science Ltd

2016 – Present London, UK

- Internal technical expert in Python and Scala
- Technical lead on teams of 6-8 people
- Joined via data science fellowship, progressing to senior member of engineering team
- Managed company engineer recruitment process
- Member of department performance review panel
- Delivered regular training on software engineering and distributed computing, and created internal knowledge sharing programme
- Member of company expert group on MLOps

Postdoctoral Researcher

Medical University of Graz

2014 – 2016 Graz, Austria

- Complex data wrangling and computational modelling on HPC

PROJECTS

Novel Simulation Software

Faculty Science Ltd

- Tech lead of team implementing core simulation software for new product, built for massive scalability
- Work closely with product manager and other teams to identify and mitigate product and integration risks
- Responsible for the technical output of the team
- Support and upskill other engineers and data scientists on team
- Lead the introduction of new software design pattern inspired by video game development and using asynchronous programming

Data Science Platform

Faculty Science Ltd

- Cloud-based development and deployment environment for data science
- Led design and build of multiple features, working closely with designers, product managers, engineers and users
- Developed backend microservices in Scala with Play Framework, Anorm, Akka and ScalaTest
- Build and deploy on Stackstorm, Gitlab CI and Kubernetes
- Infrastructure as code with CloudFormation, Helm, Ansible and custom Python tooling

STRENGTHS



Team Leader

Train, support and protect the time of colleagues on my team



Value Proficiency

Strive to be a master of my craft and always improving



Driven and Detail Focused

Always ensure a high quality of output from myself and others

SKILLS

Python	● ● ● ● ● ●
Scala	● ● ● ● ● ●
SQL	● ● ● ● ● ●
Docker & Kubernetes	● ● ● ● ● ●
AWS & GCP	● ● ● ● ● ●
DevOps	● ● ● ● ● ●
Data Wrangling & ML	● ● ● ● ● ●
Product Development	● ● ● ● ● ●
Client Engagement	● ● ● ● ● ●
Management	● ● ● ● ● ●
Oral Presentation	● ● ● ● ● ●

EDUCATION

PhD Biomedical Engineering

King's College London

2010 – 2014

Thesis: Personalised Electromechanical Modelling of Cardiac Resynchronisation Therapy

MSci Applied Maths and Physics

Queen's University Belfast

2006 – 2010

HOBBIES

Brass band

Orchestra

Travel

Photography