Salim Fadhley

https://github.com/salimfadhley

AVAILABILITY One month notice.

TECHNOLOGY SKILLS

Development: Python, Pandas, Scala, JavaScript, Groovy, Java, Go, Numpy, MySQL, Postgres, S3, DynamoDB, Django, Flask, LaTeX
DevOps: AWS, Azure, Terraform, Jenkins, Ansible, OpenShift, Travis, GitHub, Bit-Bucket, Linux, SQL Databases, SBT, Docker, Docker Swarm

WORK EXPERIENCE

Python, Contract Engineer - **ECS Data Practice**　　　　June 2020 - Present

I have been re-hired by ECS to work on a project for Barclays security team.

This system combines a Fast-API back-end with React-admin based front end. It's purpose is to assist with the triage and management of physical security events.

Python, Contract Engineer - **Contino**　　　　March 2020 - June 2020

Contino are an AWS partner consultancy, currently working with Green Flag Insurance to deliver a high-performance cloud-based system to replace it's legacy mainframe-based solution. I am currently working on the Green Flag rescue-services platform, which is the back-end responsible for coordinating rescue services.

Python, Contract Engineer - **ECS CX Practice**　　　　February 2019 - February 2020

ECS are an AWS partner consultancy that provide Dev-Ops and contact-centre solutions, to large financial organizations such as RBS and Centrica.

I implement serverless components for AWS Connect based contact-centre solutions. This layer integrates Connect's telephony system to banking systems such as TSTS, Service Now.

I also provide coaching and mentoring in software development to both ECS and ECS's client's junior developers.

Python, Data, DevOps Engineer - **Tracr**　　　　October 2018 - December 2018

Tracr are a diamond industry start-up. This companiy uses data-science techniques to classify and identify diamonds. This ability allows Tracr to eliminate theft, fraud and other threats to the global diamond industry, such as conflict diamonds.

I worked as a principal Python engineer for the data-science team within Tracr, a diamond-industry start-up.

I built and managed the data-science research tooling which was based on iPython

Notebook, S3 and Postgres. I built the core libraries and containerized infrastructure. I have created the build, development and and CI tooling based on GitLab CI running on AWS EC2 Nodes. Much of my work involved productionizing research work produced by data scientists. Typically this would require an understanding of the mathematical an

Software Engineer, Kernel team - **Thought Machine** August 2018 - October 2018

I helped build the ledger and payment execution service within the "kernel" of Thought Machine's Vault platform - a platform for core banking. I developed scalable micro-services in Python, Go and Java using technologies such as Protocol Buffers and GRPC. This is all deployed using Kubernetes on the Amazon and Google clouds.

VP Software Engineer, Core DevOps team - **Bank of America**   January 2018 - August 2018

I help manage the Horizon software development tools platforms: This Atlassian Stack service layer brings together Atlassian Stack + Jenkins. I maintain the microservices associated with the platform, ensuring that everything is automatically built, tested and trivial to deploy.

Contract Software Engineer, Global Mid-Office Technology - **Bank of America** April 2012 - December 2017

- I was a founding member of the QzRex team, which helped build the strategic reconciliation tool used by the Quartz Risk management platform.
- I worked on the Global Reconciliation System platform, building tools which help the deployment and release QA process. Later I worked on a number of projects which re-skinned this legacy application by giving it a Quartz user interface, and then later an Angular.JS user interface based on a high-performance Scala back end.
- Most recently I was a core-team member for the Insight Regulatory Reporting platform, helping to build the core-systems for the bank's real-time MIFID2 reporting engine.
- Outside of my core projects, I volunteered to build solutions that would make the global BAML developer community more effective. For example by creating documented, reusable pipelines for building, testing, releasing and deploying projects written in Python, JavaScript and Scala.

Quant Support Developer - **Credit Agricole**   June 2007 - April 2012

I was the primary Python developer of a multi-language commodities pricing library.
- Build and Support a number of excel-based pricing tools which used the Python library.
- Technical support for the quant research and validation teams to enable them to contribute correct, high-performance financial models
- Code quality & performance of the entire library. Ensuring adequate test-coverage and correctness via a continuous integration system

Python Developer - **Standard Bank**   December 2006 - June 2007

Python development on a Sunguard Front Arena based risk management system.

My role was to implement custom reports and instrument-types.

I also an a number of migration projects and developed a range of tools intended to automate and simplify the deployment process.

Python Developer - **Morgan Stanley**   December 2005 - June 2006

Building a data-warehouse of historical market data, to support the quant-team's research activities.

I built a simple Python API on an assortment of proprietary SOAP, XML-RPC, Binary and plain-text interfaces commonly used within the organisation. I united a large number of inconsistently developed corporate standards behind a single simple to use Python API. This required an understanding of a range of structured credit products and concepts - where possible my Python layer corrected historic structural errors in the data's representation.

I developed a number of abstract interfaces representing common credit risk concepts for use by model builders in the quant-team.

Python Developer - **Deskforce Ltd**   March 2005 - April 2005

Python Developer - **Royal Bank of Scotland**   November 2004 - April 2005

Lead developer on a large Zope/Plone based intranet.

Python Developer   Deskforce Ltd - March 2001 - November 2004

Interactive Marketing Consultant - **Ogilvy & Mather**   May 1998 - March 2001

Graduate Developer - **Good Technology**   June 1997 - May 1998

EDUCATION   *BSC, Computer Science:* University of Nottingham, 1994 - 1998.

EXTRA-CURRICULAR ACTIVITIES
- Performing improvised comedy
- Cycling
- Running