Shaun Taheri

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Polyglot software engineer that treats code as a craft.

Skills

Languages	Go, Python, Java, Julia, JavaScript, Ruby, Miranda, C, Scheme, Bash, SQL
Design	Object-oriented, Functional Programming, (Non-)Relational Databases, Microservices
Software	Emacs, Vim, Git, Docker, Kafka, CoreOS, LaTeX, PostgreSQL, ElasticSearch, SAS
Leadership	Team manager and mentor for junior developers.

Experience

2014 – 2016　**Senior Developer**, *OptioPay*, Berlin.

Design and implementation of a microservice-based architecture for a new FinTech startup.
- Architect of a microservice based platform implemented in Golang with Apache Kafka used as a message broker and distributed database. An append-only event stream is used to event source entity data from epoch, providing fault-tolerant services that can partition high-volume workloads.
- Built the operations infrastructure with Docker containers and CoreOS providing a continuous delivery pipeline with automated failure recovery.

2013 – 2014　**Senior Developer**, *LShift*, London.

Broad consulting experience utilising deep technical expertise applied over a range of client projects.
- Development of typesetting platform in Python and Ruby to automatically extract content and structure from Google Docs and present template formatted PDF output for academic research.
- Internal document crawler written in Go for distributed indexing and rapid searching with ElasticSearch.
- Continuous Delivery through the introduction of Docker containers to streamline deployments and provide repeatability within the build process.

2010 – 2012　**Senior Analyst**, *Centrica plc.*, Edinburgh.

Led a team of four analysts within the Operations Team, with the aim of moving disparate desktop applications to a cohesive web-based platform.
- Implemented a RESTful web server using Node.js and JSON messaging through HTTP for an internal web portal supporting thousands of concurrent users. Reduction in complex business reporting turnaround time from days to minutes.

2008 – 2010　**Data Analyst**, *Centrica plc.*, Edinburgh.

Extensive SAS experience for efficient data analysis on terabyte scale datasets.
- Designed and implemented an automated relational database system that collates a wide range of data from external sources. Improvement over the previous system increased net revenue from £4m to £7m per annum.

Education

2012 – 2013　**MSc Computer Science**, *University College London*.

Java Programming (100%), Architecture and Hardware (90%), Systems Infrastructure (93%), Algorithmics (89%), Functional Programming (85%), Software Engineering (68%), Project (66%)

2005 – 2009　**MA Economics**, *University of Edinburgh*.

Final year dissertation on approximating optimal play in Texas Hold'em poker using Game Theory.