

Shaun Taheri

Zossener Straße 10 – 10961 Berlin, Germany

📞 +49176 4578 4178 • ✉ cv@taheris.co.uk • 🌐 github.com/taheris

Polyglot software engineer that likes simple solutions.

Skills

- Languages** Rust, Go, Julia, Python, JavaScript, Java, Miranda, C.
- Systems Design** Any combination of: object-oriented or functional, relational or non-relational, service-oriented or monolith.
- Production Software** Kafka, Zookeeper, CoreOS, etcd, Docker, Cassandra, SQL (multiple dialects).

Experience

- 2016 – present** **Senior Developer**, Advanced Telematic Systems, Berlin.
- Built the reference implementation of a secure Software Over The Air update client in Rust targetting embedded Linux fleets in the automotive industry.
 - Implemented a three-phase commit process for mostly atomic updates of multiple ECUs distributed in a vehicle using the CAN bus.
- 2014 – 2016** **Senior Developer**, OptioPay, Berlin.
- Design and implementation of a microservice architecture in Go using Kafka as a message broker and distributed database. An append-only event stream was used to event source entity data from epoch for fault-tolerant services that can partition high-volume workloads.
 - Built the operations infrastructure with a continuous delivery pipeline of services running in Docker containers across a fleet of CoreOS instances.
- 2013 – 2014** **Senior Developer**, LShift, London.
- 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.
- 2008 – 2012** **Data** → **Senior Analyst**, British Gas, Edinburgh.
- Implemented an internal Node.js portal supporting thousands of concurrent users. Reduction in complex business reporting turnaround time from days to minutes.
 - Wrote SAS Data Step and ProcSQL queries for analysis on terabyte scale datasets.
 - Implemented an automated relational database system for billing in Access with an improvement over the previous system of £4m to £7m per annum.

Education

- 2012 – 2013** **MSc Computer Science**, University College London.
One of the top performers with an overall exam average over 85%.
- 2005 – 2009** **MA Economics**, University of Edinburgh.
Dissertation on approximating game-theoretically optimal play in Texas Hold'em.