Sam O'Brien

SKILLS

Backend web development

Spring | Spring boot | Spring beans | Dropwizard | Play | Jackson | Netty | Jetty | Akka | Servlets

Tomcat | SQL | No SQL | Database normalisation | Schema design | Natural cardinality | Cassandra | h2

mySql | Guice | IOC | AOP | JNI | Java | JVM

Front web development

Vue.js | PEG.js | .jsp | bower | yarn | npm | node.js | html | css | bootstrap

Ops

Jenkins | bash | midnight commander | ssh | apache benchmark | maven | database migration | Liquibase

Flyway | Heroku | AWS | Linux | Chef | SQS
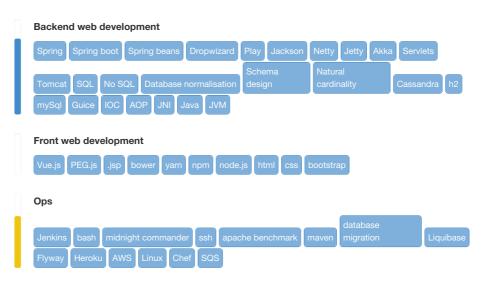
EMPLOYMENT

Senior software engineer, VSware / Visma

2015-07 — Present

Senior full-stack engineer with product ownership, team lead and development responsibilities. This role includes overseas travel to meet with 3rd party services for API negotiations, writing and managing stories from requirements to completion, managing development resources and several solo-developed revenue generating micro-services. I also pushed for and introduced effective data validation patterns: On the JS side, REST API validation and tightly constrained DB cardinality leading to very high quality data and natural prevention of bad states.

- Solo-developer of a revenue generating micro-service based integration with Microsoft Active Directory and Office 365 with yearly subscription fee of 1-2k per customer depending on features
- Lead developer and Product owner of a major piece of employee planning and cost management software developed with a team of 5, managing dynamic requirements changes. Featuring strict validation, natural cardinality, persistent programming patterns, caching and completely validated DTOs in Spring, JSP, Rivets and MySql
- Product owner of all 3rd party integrations including Oauth and Saml 2.0 authenticated single sign on, and data importation and marshalling
- Pushed new validation and development patterns focused on the Kaizen principle of continuous improvement which were widely adopted by the team

Software Engineer, Logentries

2014-05 — 2015-07

Developer focused on backend services including developing the in-house query language, metrics retrieval, validated REST API exposure etc. in an Agile environment

- Developed a parser and query language to access the log data API
- Produced a high quality validated and acceptance tested externally exposed API

Draughtsman and Administration, Flanagan Architects

2012-02 — 2012-08

Contract for project in London, draughtsman, coordination and administration responsibilities.

Design team lead, Farm from a Box

2011-02 — 2012-01

Coordinating a team of 7 volunteers to produce an initial set of designs for a modular farming solution for disaster relief.

Draughtsman and Administration, 3D Architects

2010-07 — 2011-01

Work included producing planning permission and other legal applications, design and technical documentation to strict legal and design requirements.

Draughtsman and Administration, Flanagan Architects

2007-06 — 2008-06

Work included producing planning permission and other legal applications, design and technical documentation to strict legal and design requirements.

EDUCATION

University College Dublin

2012-09 — 2014-01 │ Java C C++ Ruby Database design Software Engineering Natural language processing Search aggregation and N-Dimensional clustering

University College Dublin

2006-09 — 2010-07