SAM O'BRIEN   SOFTWARE ENGINEER

samjamesobrien@gmail.com +353 (0)86 061 8856 https://github.com/samjamesobrien

Full-stack engineer with product ownership and team lead responsibilities focused on leading by example, active co-ordination and continuous integration, forward thinking design and innovation, best practices and continuous improvement following the Kaizen principle

☑ 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

Agile PM java maven sbt saml oauth spring play dropwizard spring boot scala kotlin ruby chef ops sql mysql cassandra activator akka domain driven design leadership stakeholder management

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

Agile java maven sbt oauth dropwizard netty spring boot scala kotlin ruby chef ops sql mysql cassandra activator akka domain driven design leadership stakeholder management

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.
Design leadership administration

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.

☑ PROJECTS

Contributor, RE2 for java
Implemented named capture groups as an extension of indexed capture groups in the library to facilitate same in Logentries query language.
java C++ JNI RE2 REGEX

Creator, trade-processor
Heroku deployable Dropwizard application using db migration, web-sockets, rate-limiting and meta-data analysis.
java Dropwizard web sockets Flyway Heroku MySql

Creator, Full-stack SAAS messaging and NLP project
Full stack SAAS project using Spring Boot, Play, Cassandra, MySql, Liquibase, jsp and Vue.js
java Spring Vue.js Liquibase Cassandra Play

☑ EDUCATION

M.Sc Computer Science, University College Dublin   2012-09 — 2014-07
1st class Honors degree in Computer Science. Recipient of commendation from the Dean of the course.
Java C C++ Ruby Database design Software Engineering Natural language processing Search aggregation and N-Dimensional clustering

B.Sc Architectural Science, University College Dublin   2006-09 — 2010-07

☑ REFERENCES

Chris Mowforth

Kenneth Morrison

Damian Dalton