

At a glance

Versatile engineer with 14 years professional experience in API design and operation, cloud devops, team leadership / line management and general full stack web development.

Skills

Technical		Other
<ul style="list-style-type: none"><li>Kubernetes</li><li>nodejs</li><li>Restful web services</li><li>Front end Javascript</li><li>Docker</li><li>Postgres</li><li>Redis</li><li>Git</li></ul>	<ul style="list-style-type: none"><li>Shell</li><li>Google Cloud Platform</li><li>Java</li><li>HTML5</li><li>CSS3</li><li>Cordova mobile apps</li><li>Android native development</li><li>iOS native development</li></ul>	<ul style="list-style-type: none"><li>Team leadership</li><li>Line Management</li><li>Direct customer support</li><li>Developer mentoring</li><li>RFCs and technical documentation</li><li>Estimation</li><li>Technical presentations</li><li>Interviews and hiring</li></ul>

Experience

Brandwatch

Principal Engineer (API products), November 2018 - Present

- Designed a customer facing workload scheduling system build on top of the Kubernetes API for ingesting private data into the Brandwatch platform
- Implemented custom CI/CD pipeline for front end visualization widgets using Google Cloud Functions
- Developed patterns for safe developer access to production databases using Kubernetes Jop api
- Designed a database aggregation system using Kubernetes CronJobs to pre aggregate metrics into postgres tables in order to provide increased front end performance for a metrics reporting product
- Mentored fellow developers, assisting with career development and general goal setting
- Implemented RFC led development process as a mechanism to support collaborative cross team conversations and a culture of transparency across the department
- Regular presentations to the engineering department on internal technical concepts or interesting related fields

Lead Engineer (Vizia), March 2017 - Nov 2018

- Delivered a complete rewrite of the Vizia admin web application under budget. Nodejs backend, React frontend
- Line managed a team of six developers of varying skill levels, interviewed and hired several team members
- Designed a JSON schema based front end user input forms system to standardise user input across the Brandwatch product suite
- Collaborated with other teams to design and deliver a custom single sign on solution for use across the Brandwatch product suite
- Provided Customer facing technical support as necessary

Senior Engineer (Vizia), February 2016 - March 2017

- Implemented explicit image filtering solution for our visualization platform
- Worked on streaming data based rewrite of all visualization widgets in the platform to improve real time performance
- Adopted microservice based architecture and migrated services from data center hardware to a cloud based platform

Mobbu

Senior Developer, July 2013 - Dec 2015

- Developed implementations of PassWear, an application for smartwatches, for the Pebble, Android Wear and Tizen platforms.
- Ported legacy mobile app MFO to modern mobile platforms using Apache Cordova
- Designed android SDK allowing external developers to interface with our smartwatch platform
- Developed features for javascript single page applications running on extremely constrained hardware

Codingcraft

Senior Web Developer, August 2011 - June 2013

- Provided customer facing support for a large legacy Java CMS application
- Designed and implemented bespoke features for clients based on their specifications
- Generated quotes and estimates based on customer requirements

DB Education

Web Developer, February 2009 - August 2011

- Designed and implemented a real time chat interface to our e-learning platform using erlang based backend ejabberd and a custom javascript frontend
- Helped port legacy Java backend to the more modern Stripes framework
- Implemented high res front end designs using html, css and javascript

Bright AI

Web and Flash Developer, August 2008 - February 2009

- Implemented flash games for customers such as BSkyB and Walkers
- Designed APIs for an in house mobile games platform
- Support and bugfixes for J2ME based mobile games

East Sussex Fire and Rescue

Web Developer, October 2006 - August 2008

- Implemented collaborative portal for cooperation between nine south eastern fire services using vanilla Java servlets and jsp based front end
- Oversaw complete rewrite of intranet and public facing sites

Education

Open University

BSc Natural Science: Physics, May 2011 - Present (Part time, ad hoc)

University of Sussex

BA Media Theory and practice (First Class Honours), September 2002 - May 2005