Brian Peck

1200 E Hillsdale Blvd #209 | Foster City, CA | brian.andrew.peck@gmail.com

Experience

Sr. Software Engineer, Autodesk, 2015 - Present

API Objective Reporting Service

- Designed, and built a service for generating, and reporting other internal APIs metrics. These metrics are used in determining if a given service is meeting predetermined objectives concerning latency and error percentage.

Model Commenting REST API

- Extracted, brought up to date, and maintained a set of REST APIs for adding comments to objects visualized on other internal products that previously were inside a deprecated legacy system.

Software Engineer, Brigade, 2014 - 2015

Brigade Android Application

- Developed native Android OS application. Responsible for user facing elements, API layer interaction, and event based communication between custom elements across the application.

Software Engineer, Apartment List, 2014

Apartment List Android Application

- Designed and developed the native Android OS application for Apartment List. Responsible for high visibility consumer facing features, and managing of user-data stored on the device and its synchronization with server side APIs.

Software Engineer, Intel, 2012 - 2014

Ingestion and Management of data from external sources to front end data systems

- Designed and developed Scala-based system for loading, and managing external provider data. Worked from initial prototype stages to production ready system on the ability to ingest, curate, and serve specific data to front end consumers.

Software Engineer, Lockheed Martin Advanced Technologies, 2007 - 2012

Systems Biology Simulation Framework

- Lead developer of a Scala-based network modeling framework for the National Institutes of Health (NIH). Responsible for the development and maintenance of algorithms and user interfaces allowing biologists to model genetic reactions.

Distributed Event Log Aggregator

- Lead developer of a Java-based, security log aggregation and auditing tool for use across secure networks which enables the remote locating, querying, and processing of logs for auditing, including client and server-side filtering capabilities. Integrated with OS independent tools to allow for use on networks with current and legacy systems.

RESTful Web Services allowing Command and Control for Office of Naval Research

- Developed web applications and REST services for Navy Command and Control (C2) capabilities, used in planning and organizational briefings to Navy Admirals. Created command relationship tool and additional web services providing XML and JSON data to other C2 applications.

Augmented Reality Prototyping for DARPA ULTRA-Vis

- Developed prototype of a wearable, P2P, augmented reality system to enhance the warfighter's situational awareness. Developed P2P communication systems and integrated a head-mounted display with cameras creating a 3D model of the current viewable area and directional sensors from five partners to allow functionality in and out of GPS challenged environments. Successful field demonstration to DARPA personnel in January 2010.

Technical Expertise

Languages

- Proficient in Java and Scala

Tools and Libraries

- Guava, RxJava, Retrofit, Dagger, Butterknife

- Git, SBT, Gradle, Ant, Elastic Search, DynamoDB, Intellij

Education

- *Master of Science in Computer Science*, University Southern California, 2014

- *Bachelor of Science in Computer Science*, Northern Arizona University, 2007