Filipe Silvestre

FULL-STACK SOFTWARE ENGINEER

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Experience

Freelance Consulting

SOFTWARE ENGINEER — *Feb 2017 - Present*

- Developed Android app used as movie prop for an upcoming short film Rider. Created custom animations along with controls and settings for director
- Updated Lumenplay codebase to support new Android SDKs, features, and bug fixes

Scout Military — *Portland, OR*

LEAD SOFTWARE ENGINEER — *Oct 2015 - Feb 2017*

- Designed UI/UX with material design philosophy. Created mockups and assets with Sketch
- Integrated dependency injection with Dagger2 for REST API (OkHTTP/Retrofit2), analytics (Google Analytics, Fabric.io), GPS location services, sync services, and push notifications
- Produced modular architecture with reusable view components, fragments, and activities. Additionally, services benefited from the following: Singleton, MVP, and Factory design patterns
- Leveraged RxJava for concurrency and asynchronous architecture
- Achieved low memory usage and 95% crash-free users
- Architected back-end (node.js, express.js, and Postgres with PostGIS) Infrastructure built on AWS which leverages Docker and AWS ECS for continuous deployment
- Technologies used: Android (Java), node.js, express.js, Postgres, AWS, S3, RDS, EBS, Docker

Ericsson — *Mountain View, CA*

SITE RELIABILITY ENGINEER CONTRACTOR — *Jun 2014 - Jun 2015*

- Provided tier-one support for Mediafirst IPTV platform servicing millions of customers through leading providers such as AT&T U-Verse and CenturyLink
- Maintained and monitored multiple Windows Azure services across all customer environments in NOC environment
- Developed a Python application which cleared NOC alarms and provisioned users through our REST API
- Technologies used: Azure, Python

University of Pittsburgh Medical Center — *Pittsburgh, PA*

SYSTEMS ANALYST — *Jan 2014 - Jun 2014*

- Provided QA and Project Management for internal applications — WoundCare (iOS) and Health Initiatives (web)
- Worked with executives and medical staff to gather business requirements and functionality
- Coordinated with overseas development team to establish Agile methods for development
- Created queries against data warehouse to find groups of users who validate test cases

US Steel — *Pittsburgh, PA*

SOFTWARE DEVELOPER INTERNSHIP — *Jan 2012 - Aug 2012*

- Worked with senior team members to enhance capabilities and resolve defects of inventory management system in transition to a new ERP solution
- Technologies used: Java, Spring, Hibernate

Additional Projects

Anagram REST API

PYTHON, FLASK, CELERY, REDIS, RABBITMQ, DOCKER

- Allows server to consume large amounts of data
- Utilize celery to distribute tasks among workers
- Uses Redis as data store for quick look-up/storage

Programming Skills

Languages	Java, Python, Javascript, SQL, LaTeX
Platform	AWS, EBS, EC2, RDS, S3, Route 53, Flask, Celery, RabbitMQ, SQLAlchemy, Docker, Heroku, Azure, Netlify, Node.JS, Express, Dropwizard, Spring, Hibernate
Database	Postgres, Redis, MySQL, MongoDB
Android	Android SDK, Butterknife, Retrofit, OkHttp, Dagger 2, Picasso, Glide, RxJava, AutoValue, GCM Push, MobileRQ, Location Manager, MVP Design Pattern, Fabric, Google Analytics, Intercom
Web	React.JS, Hugo, Webpack, Gulp, Babel
Operating Systems	OSX, Linux, Windows
Version Control	Git, Bitbucket

Education

University of Pittsburgh   *Pittsburgh, PA*
B.S. in Computer Information Science   *Aug. 2009 - December 2013*