Lucas Desouza

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Profile

Over five years of full stack development experience with a current focus on DevOps and Cloud Native applications, as well as demonstrated experience migrating and refactoring legacy enterprise systems to modern standards.

Key Skills

- Lean Agile, Scrum, XP, SAFe, Kanban
- Evolutionary Architecture (PSP/MVP)
- Pair programming

- TDD
- DevOps
- CI/CD

Key Technology

- Java
- JavaScript/Typescript
- Angular
- ReactJS
- Spring Framework
- Jenkins
- Pivotal cloud foundry
- Git, Github/GitLab/Bitbucket
- Maven & Gradle

- JIRA, Rally, Pivotal Tracker
- Confluence
- IBM Cloud
- Websphere Liberty
- Linux, Windows, Mac
- NodeJs
- Hibernate/JPA/ORM
- Oracle DB, MSSQL, MySQL, H2, DB2

Experience

AMERICAN AIRLINES 2012-2018

SR CONSULTANT, 2019 - PRESENT

Acting as internal consultant coaching and mentoring teams on DevOps and Lean Agile/Product Management methods and best practices for the enterprise. Helping teams adopt TDD practices, implementing automated CI/CD pipelines and migrating off of legacy platforms.

ALLSTATE 2018-2019

LEAD SOFTWARE ENGINEER, 2018 - PRESENT

Acted as both Lead Engineer and Tech Product Owner for The Scheduled Activity Decoupling team. Worked in an effort to decouple crucial underwriting processes from our legacy mainframe systems and move them to Spring Batch applications. Led the team to be the first within our organization to work entirely through TDD as well as the first to have a fully automated pipeline through to Dev. Led a series of training sessions to help share this knowledge to other teams within the organization and help them start their own transformation.

AMERICAN AIRLINES 2012-2018

SOFTWARE DEVELOPER, 2017 - 2018

Client anchor in an XP environment with Pivotal Labs, following TDD practices and Pair Programming. Key project was a customer facing web application built on Angular and a JAVA Spring boot backend integrating with other services within the company. Responsible for building and maintaining our own CI/CD pipeline which. Previously responsible for projects migrating legacy applications to cloud micro service architecture based solutions and improving code coverage of existing applications. Participated in the company's "DevOps

Explorers" group to champion the adoption of DevOps practices. Participated and placed 2nd out of 100 teams in the technology category in the company hackathon.

SYSTEM SUPPORT TEAM LEAD, 2016-2017

Led a team of call center operations specialists supporting several applications crucial to the AAdvantage Customer Service call center. Acted as admin for temporary on premise servers hosting employee facing tools and acted as the lead developer on the effort to migrate tools away from these servers to long term solutions. This involved refactoring and rewriting several small classic ASP and PHP tools and creating refreshed UIs using Angular. Participated and placed 8th out of 50 teams in the technology category in the company hackathon.

QUALITY ASSURANCE ANALYST, 2015-2016

Developed new tools to improve efficiency and communication both within the team and across other teams while acting as a Quality Assurance analyst for the AAdvantage frequent flyer call center. Various tools built with AngularJs and JQuery, PHP and ASP for the backend and MSSQL for the database. Won the American Airlines Chairman's Award for the 2nd quarter of 2016.

OPERATIONS SPECIALIST, 2014-2015

Developed new tools to improve operations processes previously handled manually or on paper, including: timecard and vacation scheduling as well as training scheduling. Various applications built with AngularJs and JQuery, PHP and ASP for the backend and MSSQL for the database. Managed the call center's daily stats and took action when necessary to keep the efficiency of the call center at its highest.

ADVANTAGE MEMBER SERVICES SPECIALIST, 2012-2014

Personal projects - 2015-present

FANTASY OSCARS 2019

Working with a small team of two developers we created a companion game to the 2019 Academy Award. This game allowed friends to make their predictions for each category and follow the results live to see where they stacked up on a leaderboard. The application utilized a NodeJS+Express backend with MongoDB deployed in Cloud Foundry, a web application built with ReactJS deployed through AWS S3 and a Mobile Application built with React Native available on both the Apple App Store and the Android Play Store. At the time of the ceremony we had a total of 600+ active users.

TURN 2018

A Swift iOS app with a NodeJs backend and Firebase real time database. A chore management app created for families or roommates who need a tool to share and track chores and turns taken. Application was made available through the Apple App Store.

EXCHANGE DASH 2017

An Angular app with a NodeJs backend and Firebase real time database built for logging and tracking your investment portfolio. This app is very light weight and is a manually managed portfolio with live stock and currency prices. Election news 2016

ELECTION NEWS 2017

An Angular app with a NodeJs backend and Firebase real time database, built using New River public API to search for news regarding the 2016 election and provide multiple sources. The intent was to allow users to see multiple takes on the same topic and help break the usual social media bubble.

HASHCHAT (POC ONLY) 2015

An Android Chat app build with Ionic framework, NodeJs backend and Firebase real time database that would create large public chat rooms based on trending hashtags.

Other experience

GUEST SERVICES SPECIALIST, J.Q. HAMMONS HOTELS - 2011-2012.

Spoken Languages

English, Portuguese and Spanish.

Education

Tarrant Community College, Texas - Computer Science 2015-Present