

Chaney Fonseca

Software DevOps Team Lead | Austin, TX
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15 years of software engineering experience, primarily focusing on full-stack developer and devOps roles, and currently leading a DevOps team. I'm at my best supporting the greater software system via crafting apps, APIs, tools, and services as needed to facilitate software developer and SRE productivity. I'm entrusted to lead software delivery from builds to destination targets on premises or to the cloud and implementing automation to improve efficiency and reliability.

EDUCATION

June 2008 – December 2011

MS, Computer Science, TEXAS STATE UNIVERSITY

January 2001 – May 2007

BA, Philosophy, UNIVERSITY OF TEXAS AT AUSTIN

CERTIFICATIONS

- Professional Cloud Architect
- Associate Cloud Engineer
- Programming in C# Specialist
- **Google Cloud**, issued 2022, recertified 2024
- **Google Cloud**, issued Feb 2022
- **Microsoft**, issued Aug 2014

EXPERIENCE

April 2016 - Now

DevOps Team Lead | Software Developer IV, Charles Schwab

- Lead a software build and delivery team for the Portfolio Performance Engineering org – if software is built or deployed by my 335 active users, it uses logic created or influenced by me
- Spearheaded implementation of deploy pipelines allowing click-button deploys for 255+ independently deployable apps from artifact zips or a Docker image registry to destination linux hosts, with hundreds of other legacy apps deployable to Windows on-prem via WinRM
- Created a web portal facing developers, DevOps, and SREs that automates Git repo construction, build plans, deploy projects, permissions granting automation, secrets encryption/decryption, and various other DevOps and SRE tasks: used Angular, SQL Server and Mongo DBs, ASP.NET Web API for the REST interfaces – we've used this app to automate the construction / republishing of 513 repos, 530 Bamboo build plans, and grant permission batches (e.g. write or build permissions to developers) ~8,000 times
- Constructed build and delivery mechanisms for developers to build, target, and deploy to Windows on-prem servers, Tanzu Application Services, and Google Cloud Platform

- Scripted click-button delivery of Docker image versions for 17 and growing GCP Cloud Run Services and Jobs using GCloud APIs mostly via PowerShell for deploy and Terraform for infrastructure resource creation and IAM
- Implemented a means to deploy Cloud Composer (Airflow) scripts and GCP Workflows
- Forged reusable build, deploy, test, and code analysis logic components shared amongst ~1000 apps for my org as well as accompanying web and CLI interfaces for usage; named a champion for leading efforts on the GitHub Action reusable workflows used enterprise-wide
- Crafted CLI programs in Powershell for SREs to facilitate password rotations, container state manipulation, health-check probing, and various other maintenance and ops tasks for our operating systems and application health
- Constructed a suite of software deployment script and configuration state files targeting our IAAS VMs that deploy software and configurations via Salt
- Established an org-wide security scan solution (Veracode) for all production-deployed apps
- Most used languages shortlist: C#, TypeScript, JavaScript, Java, SQL, PowerShell, Shell, Python, Terraform

August 2015 – April 2016

DevOps Engineer, Randstad Technologies @ Charles Schwab

- Plowed through Continuous Delivery by any means necessary, primarily by developing internal tools and systems that other software teams use to get their work done, like an angularjs SPA using angular-schema-form to generate a plethora of user interfaces infused with build, environment, and application data to simplify formulation and tracking of common DevOps problems
- Ran about 50 Team Foundation Server build servers and constructed various build improvements especially for publishing web applications targeting IIS hosts

April 2015 – July 2015

Software Development Engineer, Experis @ Dell

- Spent half of my time in a pure JavaScript mix of AngularJS services, Jasmine-heavy test infrastructure leveraging Karma and Protractor, and the other half of my time fiddling with a sales validation engine in C# and leveraging Spring.NET

October 2014 – February 2015

Software Developer, PureWRX

- Full-stack development on a web portal primarily built on a Mongo + WebApi + AngularJS stack deployed on Azure and heavily reliant on Lucene and Nimbus Service Bus and graph visualizations built on d3

September 2013 – October 2014

Software QA Automation Engineer, Bazaarvoice

- Set up test clients, authentication, a client selection mechanism, and related test infrastructure to run JUnit Selenium tests against an onsite Selenium Grid
- Created performance tests measuring different queries against BV's REST API
- Developed and released .Net and PHP SDKs that allowed consumers to retrieve SEO contents and inject these contents into their web pages
- Mentored a junior engineer on an automation tool that alleviated some of the technical support audits for client-side SEO implementations (Java, Spring MVC)

January 2013 – August 2013

Software Engineer, InReach

- Implemented an automated build & deployment solution for deployments to all environments leading to an explosion in software deployment capability (C#, PowerShell)
- Solution-level refactoring, web services development, project cleanup and optimization using Silverlight MVVM patterns

June 2012 – December 2012

Software Engineer, Apex Systems @ 3M

- Implemented features for a Kansas DMV solution (C#, Windows Forms, SQL Server)
- Responsible for my team's software releases—this involved source control management, building, staging, and deploying software packages

December 2011 – June 2012

Consultant (Web Developer), CGI Federal

- Handled defects and enhancements on Medicare.gov using C#, ASP.NET for the newer parts and Classic ASP (VBScript) plus vanilla JavaScript for the legacy parts
- Built an internal link checker tool that takes a regular expression and a list of files to search and outputs a tabular summary of broken routes based upon HTTP status codes
- Constructed security patches remediating vulnerabilities such as cross-site-scripting
- Part of an engineer hire team—interviewed 22 candidates

May 2011 – August 2011

Summer IT Technician, Texas Department of Transportation

- Immersed myself into ASP.NET MVC, distributed version control, TDD, IoC, dependency injection, and software development patterns not learned at university

July 2009 – December 2010

Graduate Instructional Assistant, Texas State University

- Taught multiple undergraduate-level computer science labs (C++ programs)
- Programmed traveling salesman problem solution simulations using genetic algorithms and caching to improve search speeds for Professor Tamir with visuals in Qt (C++)
- Administered computer science servers; constructed and distributed server and client images