Chaney Fonseca

Software DevOps Team Lead | Austin, TX

512.350.3294 | chaneyfonseca@gmail.com

www.linkedin.com/in/chaneyfonseca

15 years of software engineering experience, primarily of the full-stack developer and devOps variety, 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 alike. I'm entrusted to lead software delivery from builds to destination targets on premises or to the public cloud.

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
Manager, Software Development | 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
- Current deploy pipelines suite is allowing click-button deploys for 255+ independently deployable apps from source artifact zips or a Docker image registry to destination hosts, with hundreds of other legacy apps deployable to Windows on-prem hosts 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) 7,706 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 infra

- 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 the SREs to facilitate password rotations, container state manipulation, health-check probing, and various other maintenance headaches
- 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 langs shortlist: C#, TypeScript, JavaScript, Java, SQL, PowerShell, Shell, Python

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 forms infused with build, environment, and application data and served via WebApi
- Ran the Team Foundation Server build servers and constructed various build improvements especially with respect to building and publishing web applications targeting IIS hosts

April 2015 – July 2015

Software Development Engineer, Experis @ Dell

- Spent about 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 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
- Primary stack: C#, ASP.NET for the newer parts; Classic ASP (VBScript), 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 links based upon HTTP status codes
- Released several security patches mostly resolving cross-site-scripting threats
- Part of an engineer hire team: interviewed 22 candidates while working for CGI

May 2011 – August 2011

Summer IT Technician, Texas Department of Transportation

- Excellent exposure to ASP.NET MVC, distributed version control, TDD, IoC and DI, and in general, this team was on the bleeding edge of modern software development

July 2009 – December 2010

Graduate Instructional Assistant, Texas State University

- Taught multiple undergraduate-level computer science courses (C++)
- Programmed a traveling salesman problem simulation using genetic algorithms and caching mechanisms to improve search speeds for Professor Tamir with visuals in Qt (C++, Qt)
- Systems administration, server and client machine construction, imaging, and automation

September 2008 – December 2008

Computer Science Grader, Texas State University

- Graded undergraduate-level C++ programming assignments