Tim Bailey-Jones

Temple Terrace, FL, United States
8139008131
tim@bailey-jones.com
http://bailey-jones.com

I love building great software with Linux and Open Source, and I've been at it for nearly 30 years. Lifelong learner, teacher, developer, brass musician and all-around problem solver. I live in a state of marvel at the scope of our technological society, a continuous appreciation of modern miracles, and giddy anticipation of the future and my tiny little role in it.

Technical Skills

Likes: linux c c++ javascript jquery angular reactjs java node.js express python scala postgresql embedded-linux docker docker-compose cloud kubernetes amazon-web-services

Dislikes: windows c# flex spring hibernate .net

Experience

Senior Software Engineer – Impulse Point, LLC   *Aug 2016 → Mar 2017*
linux, centos, centos6, centos6.5, centos7, java, javascript, angularjs, c, c++, python, ansible

Participated in development team on a cloud-native prototype, written in NodeJS, Typescript/Javascript, Angular 2, MongoDB, Docker and Kubernetes, deployable to both AWS and Azure. 100% Linux/Mac working environment. Team size: 5 developers

Legacy responsibilities related to Impulse's flagship product SafeConnect, which is a managed on-site Linux cluster providing network access control (NAC) for .edu sites. + Converted existing local SVN codebase to cloud-based GIT (BitBucket) + Implemented bug fixes and new feature development (Linux, Angular 1.x, Java 7, Tomcat 7). + Researched mving existing product to cloud (AWS/OpenStack/Azure)

Sr. Advisory Systems Engineer – Syniverse Technologies   *Nov 2001 → Aug 2016*
linux, solaris, c, c++, java, perl, python, jboss, tomcat, svn, redhat

Syniverse is at the center of the wireless telecom space, helping most of the world's cellular carriers serve each others' roaming customers, pay each other equitably, monitor/troubleshoot their SS7 networks, and make it easier for smaller players to enter the global markets. Syniverse also runs the national Wireless Local Number Portability system for many countries.

- 2015: Implemented Content Manager GUI (AngularJS) for Syniverse Consumer Insights (SCI) to permit marketing employees at bank sites to create/edit offers and promotion to appear on end-user Android and iOS handsets
- 2016: Performed all build-engineering (Jenkins-CI) and devops-style (Ansible) deployment scripts for SCI project
- 2015: Implemented new auto-failover functionality to internal SAF-FTP manager (Java/Rhino), a multi-threaded Java file transfer program to monitor multiple file sources and distributed to multiple destinations
- 2012: Implemented proof-of-concept GUI in AngularJS and Leaflet for VisProactive, a Vertica-based network traffic/visualization solution to replace existing Flash/Flex GUI.
- 2012: Introduced the use of Jenkins for Continuous Integration for the VisProactive product. In 2015, this approach was adopted for all new codebases, including SCI.
- 2010-2014: Led team of 16+ developers to write VisProactive. Wrote foundational libraries, created build processes, implemented operational controls using Supervisord.org's process monitor (python)
- 2012: Wrote real-time multithreaded Correlation Engine process (C++) for VisProactive's Mobile Data Roaming (MDR) feed that successfully matches over 1.5 billion rows/day, all in memory, with no required downtime.
- 2011: Introduced Subversion to VisProactive development group. Based on our success, SVN was finally adopted as corporate standards in 2013.
- 2009: Development of DHCP load-tester, based on open-source udhcp client.
- 2008: Creation of a C++ IPC-based lookup server process to perform lookups in memory.
- 2008: Introduced the use of Selenium-RC to provide the first automated web-based testing in the company.
- 2001-2008: Front- and back-end development for several telecom customer-facing applications covering Billing Consolidation, Calling Name Database Lookups, Number Portability, and Wifi Authentication Proxy services (AAA Broker/Proxy)
- 2001: Development of a C++ network server process to provide network access to SQL/MP databases on Tandem/Guardian mainframe.

Tools

First Computer: Atari 800

Favorite Editor: vim