



Tim Bailey-Jones

Software Developer & Cloud Engineer (100% remote)

Well-rounded Software Engineer with extensive expertise in cloud architecture, frontend and backend programming, leveraging a robust skill set in Terraform and CDK for scalable solutions for AWS and GCP. Adept at orchestrating complex migrations, automated build and deployment tools, and enhancing cloud applications to optimize performance and reduce costs. Passionate about driving innovation in cloud transformation and committed to advancing technological capabilities in dynamic environments.

Employment history

Jul 2024

Senior Software Developer

Game 7 Staffing at Austin, TX (100% remote)

Client: Amazon Robotics, Toronto, Canada

- Plan, code, test and execute migrations of legacy Typescript, Golang, and Java codebases, using CDK construct library and internal Amazon build tools to orchestrate AWS infrastructure deployments, while avoiding downtime.
- Made other improvements as needed to increase throughput & scalability, fix bugs, and lower costs by upgrading RDS cluster engines from Aurora/MySQL 5.7 to 8.0.

Jan 2021 - Feb 2024

Senior Cloud Engineer

McKinsey & Company at New York, NY (100% remote)

- Developed new functionality for Matter Foundations, McKinsey's internal cloud infrastructure creation tool that helps jumpstart Cloud Transformation engagements for external customers.
- Created, migrated, extended and maintained cloud applications and CI/CD for external customers, lowering costs and increasing performance KPIs. Clients included a Payment Processing company, and a Federal agency using AWS GovCloud.

Jul 2020 - Dec 2020

Senior Cloud Software Developer

CandidPartners.com at Atlanta, GA (100% remote)

Served an existing AWS customer in cloud application performance improvements, and CI/CD pipeline maintenance. Working with Agile methodologies, we improved team collaboration, deployment velocity and process documentation.

NOTE: Candid was acquired by McKinsey in Jan 2021, where I continued for over 3 more years.

Jul 2017 - May 2020

DevOps Automation Engineer

Stelligent.com at Reston, VA (100% remote)

Stelligent is an engineer-driven AWS Advanced Consulting Partner, whose business focused solely on DevOps, CI/CD and Automation on AWS.

- Consulted with clients about technical and organizational DevOps practices.
- Contributed new features to open source tools like [Stelligent mu](#) (CI/CD pipelines for microservices in AWS).
- Conducted training sessions for client development teams on CI/CD topics, automated unit tests.
- Wrote [technical articles](#) for internal and external audiences.
- Implementation of repeatable, resilient CI/CD pipelines for applications and infrastructure.
- Represent the company at AWS Re:invent conferences in 2017 and 2018 (Las Vegas, NV)
- Clients included AQR Capital, 3M, Refinitiv/ThomsonOne, Atrium Campus, and RugsUSA.

NOTE: Stelligent was acquired by Mphasis in Nov. 2018, and my role continued as before.

Florida (remote), United States

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Skills

Cloud Architecture / AWS / GCP / Terraform / CDK

Experienced

Backend Programming (Golang, Python, TS, JS, Java and others)

Expert

Build Engineering (git, CI/CD to AWS/GCP/on-prem, automated testing)

Expert

Frontend (HTML/CSS/JS/React)

Experienced

Linux (Arch, Ubuntu, Amazon Linux, RHEL)

Expert

Technical Documentation

Skillful

Hobbies

I play wind music in several ensembles near Tampa, FL. Most of my instruments are brass: trumpets, trombones, tubas, euphoniums and many other valved horns. I also play the bassoon.

I made three studio recordings over the years with:

- Sunshine Brass - ([2003](#) and [2009](#))
- Cypress Creek Jazz Band - ([2023](#))

I also play for [Gaspar Brass](#) quintet, and substitute for other players in local concert bands and symphony orchestras from time to time.

Since 2010, I have been the Webmaster for [Gotonight.com](#), a search engine for live local music throughout Florida. It has 50k monthly visitors, and benefits the artists, the venues they play in, and the fans who love the music!

Jul 2016 - Mar 2017

Senior Software Engineer

Impulse.com at Tampa, FL

Added new features and bug fixes for SafeConnect, a Linux-based Security Appliance for the K12/University Market.

NOTE: Impulse is now owned by OpsWat.com.

Nov 2001 - Jul 2016

Sr. Advisory Systems Engineer

Syniverse Technologies at Tampa, FL

Fifteen years of creating & maintaining a variety of telecom-specific products to cellular carriers around the world. Offerings included:

- Live detection, grouping, prioritization, and routing of SS7 and ANSI-41 errors, timeouts and other alerts to networking staff at major cellular carriers serving their competitors' mobile customers while roaming. The UI also featured graphing and visualization features. (VisProactive)
- Wireless Number Portability (WLNP): In 2004, we created the ability to take your phone number to a competing carrier in the US, with other countries following in subsequent years.
- Within the company, pioneered the use of Jenkins build server for CI/CD to internal test environments.
- Various financial clearing, reporting, and audit functions for the cellular industry.

Sep 1999 - Nov 2001

Owner / Consultant

LinuxTampa.com at Temple Terrace, FL (100% remote)

Custom software development using Linux, BSD and other open platforms. Projects included:

- Embedded systems, including the world's first Linux-based ATM cash machine. KDE/Qt/C++ on RHEL 5.
- Created a Java/SWT desktop application for managing police dashcam videos and accompanying GPS travel logs, deployed on Fedora Linux.
- Implemented custom Day-trader stock monitoring for Australian Stock Market (using iguana2.com's Spark API) - C / C++
- Webhosting services (LAMP Stack) on co-located physical servers and virtualized VPS systems. Managed about 80 domains worth of mostly-static content. Mostly HTML/PHP.
- Ported legacy applications from ancient and closed commercial Unix systems to the brave new open world, targeting Linux as new platform. Mostly C, Python, PHP.
- Created a backend for an internet record label to generate Windows Media Players skins with artist-specific artwork, embedded lyrics, and Javascript logic to display lyrics within media player synchronized to the music currently being played. PHP/JS.

Apr 1992 - Sep 1999

Software Developer

Various at Tampa and Orlando, FL

Seven years writing critical business software for various local companies in Florida, most of which don't exist any more. Industries included aircraft maintenance, semiconductor manufacturing, TV audience measurement and Y2K software consulting & remediation. Details available at bailey-jones.com.

Certifications

Cloud Certifications

- AWS Associate Developer (2017)
- AWS DevOps Professional (2018)
- AWS Solutions Architect (2021)
- Google Cloud Professional Architect (2023)

Education

Apr 1989 - Dec 1990

Computer Programming Coursework

St Petersburg College at St. Petersburg, FL

Took courses in C, C++, Mainframe Assembler & Operating Systems (IBM 360)

