



# Tim Bailey-Jones

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Dynamic software developer and cloud engineer with extensive skills across Linux, AWS, GCP, Kubernetes, frontend, backend, DevOps and AI-assisted dev tools. Successfully contributed to projects utilizing diverse technologies driving performance and reliability. Possess a strong foundation in technical problem-solving and a commitment to driving innovative solutions for team success.

## Work Experience

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08/2025 — present  
Plant City, FL, USA

### Principal Consultant / Owner

#### LinuxTampa, LLC

Implemented CI/CD pipelines, server migrations, security hardening (STIGs & CMMC compliance), and software upgrades for the Platform Engineering department of a small defense/military contractor. Primary tools: GoLang, AWS, terraform, python, ansible & bash. Supported products include GitLab Enterprise, Sonarqube, JFrog Artifactory/Xray, OpenSearch and EJBCA (SSL certificate authority server).

For task-oriented AI grading, evaluation & training platforms (Mercor, Snorkel.ai, Alignerr.com): Performed software development tasks, bug report validation, AI training and feedback activities as assigned.

(Part-time since 2012): Webmaster/Developer for gotonight.com, a Florida-based live search engine for local music events. Added features over the years:

- duplicate event/artist entry detection (fuzzy-matching)
- security improvements, rate-limiting, anti-bot protections
- Google Maps API, including automatic address-to-GPS resolution, GPS to place name mapping for user analytics.

07/2024 — 07/2025  
Austin, TX, United States

### Software Developer at Amazon Robotics

#### Game 7 Staffing

Client: Amazon Robotics, Westborough, MA / Toronto, ON

- Planned, coded, tested and executed migrations of dozens of legacy Typescript, Golang, and Java repositories, using AWS CDK toolkit and internal Amazon build tools to orchestrate AWS infrastructure deployments, avoiding downtime. Became well-versed in using **Amazon Q**, and **Claude** code assistants, boosting productivity and quality.
- Made other improvements as needed to increase throughput & scalability, fix bugs, and lower costs by upgrading RDS engines from Aurora/MySQL 5.7 to 8.0. Included DBA work.
- PR reviews, feedback and approvals for the team.

01/2021 — 03/2024  
Atlanta, GA, US

### Cloud Engineer

#### McKinsey & Company

- Developed automated build, deployment, and security pipelines for Matter Foundations (MF), a Cloud Foundation product spanning AWS, GCP and Azure, enabling a shorter on-ramp for transformation projects.
- Implemented auto-installation processes for backstage.io and GitLab CE, helping to simplify setup and reduce configuration time for new projects.
- Wrote AWS/GCP account cleanup scripts in GoLang, which enabled repeatable end-to-end testing of over 30 MF repositories and improved our testing reliability across the board.
- Updated the deployment guide in Confluence, making it more user-friendly and accessible, which helped team members and client staff understand the process.
- Contributed to both AWS and GCP versions of MF, which expanded our product's capabilities and offered more options for our clients. It also allowed us to rotate our engineers more easily amongst clients that shared the MF platform.

## Work Experience

05/2020 — 01/2021  
Atlanta, GA, US

### DevOps Engineer Candid Partners

Candid Partners was a cloud consulting firm that was acquired by McKinsey in 2021.

- Made dozens of improvements to AWS microservices for a Payment Gateway client, including a serverless lambda to encrypt credit cards, immediately after payment processing.
- Wrote python/botos script to migrate RDS databases from one engine to another, with minimal downtime and no data loss.
- Implemented parts of ELMA (Enterprise Logging, Metrics & Analysis), a serverless AWS-native logging application, for a prominent public-sector client.

07/2017 — 05/2020  
Reston, VA, US

### DevOps Automation Engineer Stelligent Systems

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

- Consulted with clients on both technical and organizational DevOps practices, which helped improve their workflows and efficiency in managing cloud environments.
- Developed and contributed new features to open source tools like Stelligent mu, focusing on microservices in AWS.
- Conducted training sessions for client development teams on CI/CD topics and automated unit tests, empowering teams to implement best practices and reduce deployment times.
- Implemented repeatable and resilient CI/CD pipelines for applications and infrastructure, which increased deployment reliability and reduced downtime for clients.
- Collaborated with high-profile clients including AQR Capital, 3M, Refinitiv/Thomson One & Atrium Campus.
- Continued my role seamlessly after Stelligent was acquired by Mphasis in November 2018, maintaining the quality and consistency of our services under the Stelligent brand.

## Technical Skills

### Cloud Technologies:

- Linux: Debian/Ubuntu, RedHat/Amazon/Centos/Rocky, Arch
- Shell Scripting (bash/zsh)
- AWS - 3 certifications (Sol. Arch., DevOps Pro, Developer Assoc).
- Google Cloud Platform - Prof. Architect Cert. 12/2023
- Digital Ocean, budget VPS providers
- Terraform / OpenTofu (AWS, GCP, Azure)
- AWS CDK (Cloud Development Kit)
- Docker / Kubernetes / GKE
- Python / boto3
- System administration (on-prem & hardware upgrades)

### Programming Languages / Frameworks:

- Golang (APIs, RDBMS work, containers/lambda)
- JavaScript, Typescript, Node, Express
- Java (command line, servlets, JDBC)
- C, C++ (Linux / commercial Unix)
- PHP / Cold Fusion (see Project section: gotonight.com)
- Advanced git usage, including workflows / branching / automation.
- Automated Testing: pytest, inspect, jest, selenium, mocha, chai, JUnit,

### AI Assisted Development:

- Cursor, OpenAI, Amazon Q, Gemini, Claude
- Uses: Planning, Testing, Documentation, Code Reviews & Security Scanning

### User Interfaces:

- HTML / CSS, React, bootstrap, MaterialUI
- Text-based CLIs, ncurses, and X11/Gtk/Qt XWindows

### Databases:

- AWS RDS, AWS Aurora,
- SQL: Postgres, MySQL, SQL Server
- NoSQL: DynamoDB, MongoDB