

KEVIN TINDALL

✉ kevin+tindall@magicly.work ☎ 931.284.2514

in [linkedin.com/in/kevin-tindall](https://www.linkedin.com/in/kevin-tindall) 🐙 github.com/kevinkjt2000

quick learner // puzzle lover // improvement seeker // teacher

EXPERIENCE

Senior Data Engineer // Red Hat // Remote

November 2020 — May 2023

- // Designed, implemented, monitored, maintained, and tested Python applications to interact with Kafka topics for a data-driven Marketing Operations department
- // Mentored other engineers on git, Python, SQL indexing, TDD, Agile, and CI/CD
- // Improved the CI/CD process by assisting with platform migrations, parallelizing pipelines, pinning dependencies, and automating dependency updates
- // Automated workflows in Google Workspace with Google App Scripting(GAS) that could also be unit-tested locally with Node.js tooling
- // Reduced engineering time with increased testing automation by converting Bash-orchestrated Python scripts into automated executions of pytest
- // Created the team's branching and versioning strategy guide to rapidly iterate bugfixes without blocking new feature development
- // Optimized MongoDB queries to reduce execution time by 98%
- // Datastores: Kafka, MariaDB, MongoDB, RocksDB, Sqlite
- // APIs used: Flask, GAS, Eloqua, Salesforce, and USPS

Software Engineer // ADTRAN // Huntsville, AL

June 2016 — November 2020

- // Designed and deployed an AWS serverless website relying on S3, CloudFront, ApiGateway, Terraform, JavaScript, Infrastructure as Code (IaC) and Python
- // Implemented customer-facing and internal full-stack applications using Angular, Ruby on Rails, Phoenix, and React
- // Took on new initiatives by serving as founding members for the Developer Experience and Cloud Service teams
- // Composed a Python tool to automate the building of over 400 C++ packages on cloud hardware which reduced the test time of our package builder from multiple days to under 2 hours
- // Worked directly with FPGA developers when implementing NETCONF-triggered MAC Swap Loopback for the IBONT-602 embedded network device
- // Created Jenkins declarative pipelines with Groovy for gated commit testing with GitHub branch protections leading to increased code quality on shared branches
- // Speedup and reconcile new developer setups by containerizing tooling and deployments with Docker
- // Presented during multiple "Tech Talks" to audiences of 40+ developers

Graduate Research Assistant // TTU // Cookeville, TN

2015 — 2016








- // Wrote high-performance CUDA kernels and OpenMP programs to simulate water flooding across ArcGIS terrain data files
- // Created a framework that utilized multiple GPUs for common N-dimensional stencil grid problems with halo communication
- // Created assignments and taught lectures for portions of Unix Lab

EDUCATION


BS Computer Science // Tennessee Technological University // Cookeville, TN 2013

SKILLS

Languages

Bash/Shell 
C/C++ 
Python 
Z80 Assembly 
Elixir 
HTML/CSS 
JavaScript 
SQL 
Golang 
Java 
L^AT_EX 
Ruby 
Rust 
TypeScript 

Technologies

Apache Kafka 
Docker 
Fluvii 
Git/GitLab/GitHub 
Kubernetes 
Linux 
OpenShift 
Terraform 
Ansible 
AWS 
Jenkins 
Renovate 
Redis 
Svelte 
DynamoDB 
MariaDB/MySQL 
MongoDB 
OpenStack 
Perforce 
React.js 
Ruby on Rails 

Certifications

AWS SAA-C02
SAFe 4.5 DevOps
SAFe 4.5 Teams

References available upon request