

Nathan Buckner

bucknerna@gmail.com • (210) 396-8151

Detail-oriented, highly motivated Senior Software Engineer with a passion for learning and making an impact. Exceptional design, debugging, testing, problem solving and critical thinking. Searching for a company that I can be an integral part, culturally and intellectually.

Work Experience

Roku - Senior Software Engineer - **Jun 2018 - Current**

- Worked as a technical lead for the team
- Wrote internal event collection, payment provided event collection services
- Created EMR pipelines for transforming and publish service events to data warehouse
- Migrated PCI data to new payment provider
- Wrote, packaged and setup CI pipelines for testing framework

Amazon Lab126 - Senior Software Developer L5,L6(promoted) - **May 2017 - Jun 2018**

- Designed and implemented a test framework to replace organically grown FireTV test framework
- Designed page object model navigation library for FireTV testing
- Conducted training effort for local and overseas employees in person

Rackspace - Software Developer/Security Developer in Test II-IV - **Mar 2012 - Feb 2017**

- Built clients and behaviors to facilitate Rackspace to AWS migrations
- Developed complex deployments and test scenarios for migrations
- Created metrics API backed by object storage with ELK stack dashboard
- Designed test harness for software defined networks
- Ran onboarding class for new hires
- Capacity dashboard (Flask/Angular)
- Billing Testing Automation
- Threat Models, Code reviews, infrastructure/web app pen-testing

General Dynamics Mission Systems - Senior Engineer - **May 2010 - Jun 2012**

- Embedded radio development
- Kernel, posix and application layers
- RIPv2 development

Technical Specifications

Languages - Python, Java, Shell/Bash

Databases - DynamoDB, Redis, SQL databases + ORMs, MongoDB

Web - Spring Boot, Flask, Falcon, Requests, Protobuf, Fastapi, Json, Avro

Cloud/Virtualization - AWS, Openstack, Docker, Terraform, ECS, EC2

CI/CD+Tools - Gitlabci, Jenkins, Git, Tox, Unittest, Checkstyle, Junit, Gerrit, Gradle, Pip

Education

University of Texas at San Antonio - Bachelor's in Computer Science - **2006 - 2010**

Certs - CCNA, Network+

Links

Github - <https://github.com/bucknernes>

LinkedIn - <https://www.linkedin.com/in/nathanbuckner>