

# Nathan Buckner

Contact: bucknerns@gmail.com • Phone: (210) 396-8151

---

Accomplished Senior Software Engineer, adept at blending technical prowess with an unrelenting commitment to innovation. Seeking a role where I can contribute to cutting-edge projects and be a driving force in shaping transformative solutions.

---

## Professional Experience

### **Roku Inc. - Staff Software Engineer Jul 2021 - Present**

- Leading conversion of data pipelines to realtime and multicloud
- Technical lead for the payments team
- Salesforce contract integration design

### **Roku Inc. - Senior Software Engineer Jun 2018 - Jul 2021**

- Wrote payment provider event collection service
- Created AWS EMR ETL pipelines for transforming and shipping billing data to data warehouse
- Migrated PCI data to new payment provider
- Wrote, packaged and setup testing framework and CI pipelines

### **Amazon Lab126 - Senior Software Developer L5,L6 May 2017 - Jun 2018**

- Designed and implemented a test framework to replace organically grown FireTV test framework
- Designed page object model navigation using uiautomator(Android/FireTV)
- Conducted training for local and overseas(India) 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 - Software Engineer May 2009 - Jun 2012**

- Embedded radio development
- Kernel, posix and application layers
- RIPv2 development
- Secret Clearance
- With internship in 2009

**US Army** - Signal Support System Specialist **May 2000 - Jun 2006**

- Secret Clearance, comsec custodian
- Cisco Router configurations and maintenance
- Networking certs - Network+, CCNA
- Windows System Administration
- Tactical System Administration (Linux)

## Technical Expertise

**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, Python/Java packaging, Git, Unittest/Junit, Gate jobs

## Education

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

**Certifications** - CCNA, Network+

## Online Presence

**GitHub** - <https://github.com/bucknerns>

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