

# Nathan Buckner

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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.

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## Work Experience

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

- Technical lead for the payments team
- 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(promoted) - **May 2017 - Jun 2018**

- Designed and implemented a test framework to replace organically grown FireTV test framework
- Designed page object model navigation using uiautomator dumps(Android/FireTV)
- 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** - 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 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, Python/Java packaging, Git, Unittest/Junit, Code style gate jobs

## Education

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

**Certs** - CCNA, Network+

## Links

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

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