

Nathan Buckner

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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

- Designed and implemented 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
- Designed, implemented, 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>