

# SCOTT HOWARD

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## SENIOR DEVOPS ENGINEER

- 10+ years designing, developing, and testing innovative application and DevOps solutions in an Agile environment with a broad range of technology skills
- Demonstrated ability to apply technical and leadership skills to work efficiently and professionally in a dynamic environment on both team-centric and solo assignments
- Well-rounded individual with diverse experience in both the technical and business spectrums of a company

- ✓ 6 Years of Software Eng. Experience
- ✓ 4 Years of DevOps Eng. Experience
- ✓ Cloud Architecture and Infrastructure
- ✓ CI/CD Design and Development
- ✓ Company Culture Development
- ✓ Empathy-Driven & Forward-Thinking
- ✓ Strong Desire to Learn

## TECHNICAL SKILLS

**Programming Languages:** Python | C++ | Go | Java

**AI Tooling:** Windsurf IDE | Kiro IDE | GitHub CoPilot | ChatGPT

**Tools:** Terraform | Terragrunt | Azure & AWS Services | Atlassian Suite | Docker | VS Code | Git | GitHub | GitLab

**Exposure to:** Kubernetes | JavaScript | React | TypeScript | SQL | Helm | HTML/CSS | CircleCI | Jenkins

## PROFESSIONAL EXPERIENCE

**Liatrio** | Chico, CA (Remote)

**February 2023 – Present**

### **Senior DevOps Engineer I & II**

- Co-Lead for a team of six engineers building a DevEx platform for a major retail company using Terraform, Backstage, GitHub, and AI tooling, automating infrastructure and app configurations for Azure Function and Container apps
- Regularly conduct Value Stream Mapping sessions and provide data analysis readouts of client team processes, with one effort leading to a contract extension of \$1.6 million
- Engineered automation processes for a major airline, using Terraform, GitLab, and Docker, significantly improving the deployment efficiency of cybersecurity applications in Ping with SAML, OAuth, and OpenID configurations
- Architected and implemented GitLab pipeline solutions to monitor production releases and enhance the clarity of Terraform plans for application teams, leading to a 100% reduction in P2 incidents and streamlined releases
- Utilized Python and Terraform to analyze 18 months of Terraform state drift in a cybersecurity platform, devising a reusable reconciliation process that greatly reduced state drift and enhanced system stability
- Mentoring four engineers, offering guidance in goal setting, self-development, and career advancement resulting in multiple promotions for mentees
- Honored with the Liatrio Champion award for exemplary communication as a trusted advisor and for setting a benchmark in stakeholder feedback generation, and recognized for leading with empathy
- Spearheaded initiative for tooling to help delivery leaders track employee sentiment to ensure team well-being

**Apto Payments** | San Francisco, CA (Remote)

**July 2022 – November 2022**

### **DevOps Engineer**

- Designed and implemented an AWS account structure using AWS Organizations and Resource Access Management, resulting in a maintainable multi-account, multi-region environment positioned for efficiency and growth
- Engineered a multi-region AWS network architecture using AWS VPC, Subnets, and gateways, along with a meticulously planned CIDR assignment strategy, leading to a scalable and maintainable network infrastructure

**Pariveda Solutions** | Philadelphia, PA

**October 2019 – July 2022**

### **Senior Software Engineer**

- Co-led Infrastructure-as-Code and migration projects for life science and healthcare clients, utilizing Agile methodologies and AWS and Azure DevOps services. Implemented infrastructure solutions with AWS CDK in a multi-account environment and automated the migration process, significantly improving operational efficiency and reducing deployment time

- Coached junior developers and provided guidance for technical, soft-skill, and professional growth and development
- Designed and implemented robust CI/CD pipelines with Jenkins, AWS, and Azure DevOps, streamlining software delivery and reducing deployment times
- Developed an application for university researchers, using Javascript and React, to manage grant financials and conducted interviews with end users to establish pain points and feedback during the development process
- Enhanced financial dispute services and streamlined debit card reissue processes for a \$3 billion peer-to-peer payment company using Python and Apache Kafka, improving user experience and reducing a core KPI from 2% to 0%
- Led a code standardization initiative for a 20,000-line codebase, ensuring PEP8 compliance and creating a scalable solution applicable to the entire platform, which improved code quality and maintainability
- Served as Culture Lead for the Philadelphia office, fostering connectedness and driving initiatives that enhanced company culture and employee engagement

**Thunderbolt Software LLC** | Egg Harbor Township, NJ

**January 2019 – October 2019**

**Software Engineer II**

- Developed mission planning applications and test procedures for the F-35 Joint Strike Fighter Offboard Mission Support (OMS) system using Visual Studio, C# and the .NET framework
- Designed and developed microcontroller-based volume sensor systems using radar, GPS, and network components
- Intern supervisor in charge of assigning tasks and monitoring progress while providing educational guidance

**ASRC Federal Mission Solutions** | Moorestown, NJ

**June 2015 – January 2019**

**Software Engineer I & II**

- Engineered and developed robust software for the Modular Active Protection System (MAPS) using C++, UML, and Agile methodologies, enhancing the defensive capabilities of military vehicles against RPG and guided threats
- Produced architectural solutions for complex systems engineering problem spaces that resulted in modular designs, clean, reusable source code and an increase in contract funding and staffing
- Led key development efforts on a research and development team, engineering communication systems between Radar and Command and Control components using C++, Python, and UML. The resulting system served as a precursor to the next baseline design for the naval fleet, influencing future technological advancements
- Leadership Development Program graduate, gaining exposure to engineering management and RFP processes, and developing critical leadership skills essential for managing high-stakes defense projects

## EDUCATION

**M.S. Computer Science**

Rowan University – June 2018

*Upsilon Pi Epsilon Honors Society Member*

**B.S. Computer Science**

Rowan University – December 2014

*Cum Laude Institutional Honors*

## VOLUNTEERISM AND COMPANY CULTURE

**Rowan University** | Glassboro, NJ

- Member of the Computer Science Department Industry Board of Advisors
- Computer Science Alumni team member, planning networking events and developing student resources

**ASRC Federal Mission Solutions** | Moorestown, NJ

- Spearheaded the fastest growing shareholder initiative in the history of ASRC
- Served as company ambassador supporting STEM curricula in school districts on the northern slope of Alaska.
- Developed an on-site STEM camp for shareholder children in Point Hope that taught software, hardware, weather analysis, and rocketry to students of all ages

**Jersey Shore Science Fair** | Galloway, NJ

- Judge for the annual JSSF to review computer science projects for elementary, middle, and high school students and provide positive and constructive feedback with a team of fellow judges