

ISAAC LEE

Cloud Security Engineer | Full Stack Software Developer

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Technical Skills

Language Experience: Python, JavaScript, Node.js, Java, SQL, NoSQL, and C++.

Cloud Engineering: IAC (CloudFormation and Terraform), AWS CLI, ERC, IAM, VPC, EC2, S3, Lambda, API Gateway, RDS/Redshift, EventBridge, SNS, SQS, CloudWatch, Elasticsearch, Athena, Security Hub, etc.

DevOps: Docker, ECS, ELK, Prisma Cloud, Grafana, Git and Gitlab.

Web Development: HTML, CSS, JSON, React, Redux, Django, Bootstrap, jQuery, NPM, Postman and APIs.

Databases: MySQL, Postgres SQL, MongoDB, and Cloud Native Databases.

Security Penetration Testing: Kali Linux, Metasploit, Information Gathering, Vulnerability Scanning, Web Attacks, Code Injection, Exploitation, Password Attacks, Lateral Movement, and Privilege Escalation.

Office Software: Microsoft Office, Jira, Figma, Miro, QuickBase, QuickBooks, Slack, and Teams.

Soft Skills: Critical Thinking, Conflict Resolution, Communication, Customer Service, Problem Solving, Process improvement, Time Management, Networking, Leadership, Team Development, & Training.

Work Experience

Engineer (Contractor)

Southwest Airlines, 6/2023 – present

- Automated aircraft security log analysis procedures, resulting in 10+ hours of manual tasks reduced to 5-15 minutes and increasing reporting lifecycle. Implemented automated alerting and automated documentation for log analysis events on assigned team.
- Engineered and programmed an enterprise AWS cloud application solution to enhance cyber threat detection and support continued airworthiness. Application capabilities includes ETL services, API integrations, SSO, dedicated database, threat intelligence, visualization, and real-time alerting.
- Design, program, test, deploy, document and demo cyber cloud services/applications in AWS using AWS CLI, IAC, CloudFormation and Python. Engineering Python Lambda services.
- Addressed and remediated cloud (AWS) related vulnerabilities (Security Hub, Prisma Cloud).
- Provided specialized training and troubleshooting to fellow team members. Backfilled Cybersecurity Analyst roles during absences.
- Assisted in managing efforts from supporting teams and tracking application milestones, goals, and dependencies.

Security Developer

QED Secure Solutions, 6/2023 – present

- Collaborated with vendors to enhance cybersecurity capabilities as a software consultant.
- Assisted in local cybersecurity penetration assessments. Provided context and reviewed suggestions for software remediations.
- Contributed to company technical projects and web site maintenance using JavaScript, Python, Django.

Software Engineer | Quality Program Manager

Amazon.com, 12/2021 – 6/2023

Daily Tasks:

- Managed business quality initiatives with 100% project success rate and 3M+ cost savings.
- Managed 7 team members as direct reports with top 10% positive feedback scores within local district ranking.
- Debugged, maintained, and expanded inventory software systems.
- Investigated Regional CI opportunities in storage domain and managed technical solutions.
- Spearheaded CI/CD & SDLC of a Network application and its web platform conversion.
- Developed SQL databases and database queries to support business intelligence objectives.

Front-End Web Developer | Data Analyst | Data Analyst Team Lead

Amazon.com, 09/2015 - 12/2021

Daily Tasks:

- Created websites applications using HTML, CSS, JavaScript and React.
- Prototyped UI/UX designs and outlined technical requirements for applications.
- Developed dashboard applications to support business objectives. Debugged, troubleshooted, and tested to improve application performance.
- Team Lead of Data Analysis and Quality assurance group with 5 team members.
- Collected, organized, maintained, and reported data sets.
- Developed and Executed SQL Queries. Analyzed data to identify trends to address business opportunities.

Software Engineering Projects (in production)

Workflow Dashboard Planner Application – in production at amazon - *CI/CD & SDLC owner.*

Description: AWS hosted JavaScript, React & Node.js application with custom web UI, API integrations and user authentication. The program continuously sorts live customer packages into workflow paths on a user dedicated UI which increases visibility, accuracy, automates manual calculations and greatly increases the effectiveness of business decisions. The planner application tracks volume, departure timelines, labor requirements, labor allocations, predictive planning, live feedback loop, and outlines patterns that improve worker productivity for 9 nodes across the United States.

Highlights & Accomplishments:

- Application received wide user acceptance and adapted as a Network best practice in production.
- Implemented program increased primary function productivity by 24% across four Amazon Fulfillment Centers. Accounted for 2+ million USD in cost savings over a 2-year application lifecycle.
- Spearheaded as architect, primary developer and SDLC maintainer in partnership with Data Analysts.

Workforce Scheduling Application – in production at amazon - *CI/CD & SDLC owner.*

Description: Web Application build with vanilla HTML, CSS, JavaScript, jQuery, and Ajax. Application generates work assignments for 200-300 associates daily into 5 departments and 10 specialty roles. Allows user-friendly filtering for 6 distinct shift assignment, easy exemptions entries, overflow assignments, and user-friendly overrides. Accounts for work training and automated job rotation.

Highlights & accomplishments:

- Requested and praised by regional stakeholders to address Bias and ensure Diversity.
- Single-handedly designed, developed, deployed, and maintained SDLC for this application.
- Reduced work injuries, lost time (productivity) and complaints due to regular job rotation.
- Automation reduced daily user tasks from 25+ minutes down to 3 min.

Education:

Western Governors University (WGU) Graduated October 2022

Degree: B. S. - Software Development

Data Structures and Algorithms | Advanced Data Management Scripting and Programming | Web Development | IT Fundamentals Network and Security | User Experience Design | Mobile Applications Object-oriented Programming | Business of IT | Quality Assurance | Databases

Additional Projects:

TASKIFY (TASK MANAGEMENT SYSTEM) MERN application - <https://github.com/IsaacClee/Taskify>

Task Management System including user account creation, verification, and profile management. CRUD and management of Tasks for individuals and teams. [Html5, CSS3, React, Express, Redux, MongoDB, NPM, Git, RESTful API]

ENROLLIFY Java, SDK, Android, SQLite - https://github.com/IsaacClee/School_System_SDK_Mobile_App

A student planner that provides users with the functionality to track terms, courses, and assessments, along with functionality to share notes over text/email. Offers CRUD functionality using Room with SQLite.

JAVA INVENTORY MANAGEMENT SYSTEM Java, JavaFX, JDBC, SQL

https://github.com/IsaacClee/Inventory_System_Java_SQL

Java inventory application demonstrating the pillars of OOP and Java Classes. The inventory system includes CRUD functionality and database storage in SQL.

STUDENT ROSTER PROGRAM C++

Student information platform enabling Class functionality, array manipulation, loops, Enum variables and other object-oriented programming basics.

Certifications

CompTIA A+

ITIL® Foundation

CompTIA Project+

OffSec Mitre Att&ck Lateral Movement

OffSec Vulnerability Detection

OffSec OSCP (in progress)

