

Kenny Lee

Software Development Engineer / TS/SCI w/ CI Poly

New York City, NY, United States | [LinkedIn](#)

Enthusiastic United State Air Force Cyberspace Operations Officer

Former Software Developer.

Experienced full-stack web developer.

- React
- AngularJS
- Java Spring Boot
- Node.JS
- Swift
- .NET

EXPERIENCE

SDE

Amazon Web Services (AWS)

Jun 2025 — Present

New York, New York, United States

SDE

Amazon

SDE at Project Kuiper

Jan 2024 — Jun 2025

Greater Seattle Area

BreakLine Participant

BreakLine Education

BreakLine is an education and hiring initiative designed to prepare high performers from all backgrounds for careers in technology. The program combines intensive, graduate-level classroom instruction with hands-on workshops and professional networking.

Nov 2023 — Apr 2024

Technical Program Manager (Cyber Operator, OCO Test)

United States Air Force

346th Test Squadron

- Authored critical assessment frameworks to validate the usability and functionality of complex, distributed systems, directly enhancing the mission-readiness of a Cyber Infrastructure
- Forged critical partnerships with the intelligence community, DoD, and industry leaders, accelerating integration of advanced cyber capabilities--slashed deployment time by 74%
- Led a multi-agency team to develop and align test strategies for U.S. Cyber Command's critical systems, overseeing testing directives from U.S. Congress, completing the last step in go-to-market requirements.

Apr 2023 — Jul 2024

Beale Air Force Base, California, United States

Cyber/EW Planner, CJTF-OIR CJ39 Information Operations

Combined Joint Task Force - Operation Inherent Resolve

Oct 2022 — Apr 2023

Kuwait & Baghdad, Iraq

Cyberspace Operator, OCO Test

United States Air Force

Operational Testing and Evaluation

Completed DCO-Host Analysis(formerly known as CWO) course at the 39 IOS, Hurlburt Field, Florida.

Oct 2020 — Oct 2022

346 Test Squadron, JBSA-Lackland, San Antonio, Texas

Software Engineer

Kessel Run

Jun 2019 — Dec 2019

Greater Boston

- Handpicked for a 6 month rotational program to be a Fullstack Software Engineer in first start-up within the Air Force.
- Developed a \$2M aerial refueling optimization tool using Pandas, NumPy, Gurobi, and CPLEX, slashing 8 hours of manual work per day and modernizing DoD operations planning
- Led the agile development of mission-critical microservices and web apps in React, Python, and Spring Boot, realizing over \$500M in DoD cost savings
- Championed user-centered design and DevSecOps in a high-security cloud environment, delivering robust AI-enhanced applications on Pivotal Cloud Foundry and AWS GovCloud
- React
- Java Spring
- numPy, pandas
- Pivotal Cloud Foundry (PCF)
- AWS GovCloud
- Concourse CI
- Pythagoras
- Data Science Project for generating computer-generated tanker refueling tool for the 609 CAOC.
- numPy, Pandas.
- Ghost(JTT-X)

- Modernizing legacy targeting tools in the Air Operations Center's Falconer Weapon System across multiple network enclaves.

Cyber Operations Officer

United States Air Force

607 Air Operations Center / 607 Air Communications Squadron

1) Assistant Director of Operations

- Oversaw 8 military members, directly supporting communications and mission requirements for Senior Air Force Leadership (Colonels -> Lieutenant General)

2) OIC, C2

- Directed high-performing team of 36 military/contractors/civilians to 24/7 operations and maintenance of \$56M War Planning System, ensuring seamless functionality across 5 network enclaves and 9 geographically separated areas, guaranteeing continuous support for vital Air Defense Infrastructure.

- Deputy Flight Commander, Plans and Requirements

- Oversaw 7 Project/Program managers coordinate multi-million dollar engineering projects to enhance capabilities.

- Guided \$7M Deployment of Precision Aircraft Detection System; played a pivotal role in the deployment and installation of a \$7M Counter-UAS system for AF Space Command; the system provided precise aircraft detection capability, significantly bolstering force protection measures.

- Delivered \$2.1B Joint Battle Management System Integration: Successfully planned and executed the delivery of a groundbreaking \$2.1B joint battle management system; spearheaded the integration of long-range OTH radar with key C4I infrastructure, enhancing defense capabilities and safeguarding 51 million people

Jul 2018 — Oct 2020

Osan Airbase, South Korea

UCT Student

United States Air Force

Undergraduate Cyber Training Student

Sep 2017 — Jun 2018

Software Development Engineer

Mitchell International

Jan 2017 — Aug 2017

San Diego, California, United States

-Spearheaded development efforts in a fast-paced Agile team, applying Test-Driven Development (TDD), implementing diverse test strategies, and leveraging Continuous Integration and Continuous Deployment (CI/CD) methodologies.

Delivered cutting-edge features promptly for the Cloud Auto Damage Estimates solution, employing AngularJS, JAVA EE, ASP.NET technologies.

- Instrumental in creating a high-performance and scalable Cloud Auto Physical Damage Appraisal solution, resulting in an astounding 300% surge in global user adoption across key regions--USA, Canada, and Europe.

- Collaborated seamlessly with cross-functional quality teams to translate customer requirements into resilient software solutions. Ensured top-notch code quality through rigorous unit and integration tests, resulting in enhanced user satisfaction and product reliability.

Angular JS

.NET Framework

JBOSS

JAVA EJB

Web Application

TypeScript

JavaScript

Software Engineer Intern

DIRECTV

Jun 2016 — Sep 2016

Los Angeles, California, United States

- Built an internal web application that uses HP ALM QC's REST API's to push/pull test data, allowing Test Engineers to keep track test cases of all Set-top Box DIRECTV/AT&T manufactures.

- Internal tool allows Test Engineers to create draft test scenarios directly on the web application without affecting test scenarios on PROD. The draft test durations for the draft test scenarios are calculated real time, allowing Test Engineers to generate most optimal test cycle.

MongoDB

Express.js

Node.js

AngularJS

Software Engineer Intern

Pacific Gas and Electric Company

Jul 2015 — Sep 2015

San Francisco, California, United States

iOS Developer Intern

JK Design

Jul 2014 — Sep 2014

New York, New York, United States

EDUCATION

UC San Diego

Bachelor of Science (B.S.) in Computer Science

Jan 2012 — Jan 2016

CERTIFICATIONS

Security+, CompTIA

Dec 2017

Veteran Career Readiness Program Alumni, FourBlock

AWS Certified Cloud Practitioner, Amazon Web Services (AWS)

AWS Certified Solutions Architect – Associate, Amazon Web Services (AWS)

AWS Certified Developer – Associate, Amazon Web Services (AWS)

SKILLS

Vulnerability · Public Speaking · Team Leadership · jQuery · Microsoft SQL Server · Bootstrap (Framework) · Swift (Programming Language) · Objective-C · React.js · Spring Boot · Amazon Web Services (AWS) · AngularJS · Python (Programming Language) · Cascading Style Sheets (CSS) · C# · Concourse CI · Java · C · C++ · Windows · PowerPoint · HTML · Spring MVC · Cyber Operations · Penetration Testing · Program Management · Test Management · Software Development · Object-Oriented Programming (OOP) · Active TS/SCI Clearance · Cloud Computing · Computer Science · Patch Management · CLI · Software Design Patterns · Back-End Web Development · Web Services · SC Clearance · Technical Design · TypeScript · DevOps · Sonarqube · Front-End Development · Fortify · Federal Contracts · iOS Development