

Christine Kim



📍 Fairfax, VA 22030 [Willing to Relocate]

SUMMARY

Results-driven Lead Software Engineer with 8+ years of experience architecting and delivering complex software solutions for federal clients, including IRS, DOJ, and US Courts. Expert in modernizing legacy systems, implementing AI-driven technologies, and managing teams. Proven leader of cross-functional teams, skilled in Agile methodologies, and experienced in full-stack development using Java, Python, Angular, and AWS. Holds active Top Secret/Secret clearance. Open to Relocation.

TECHNICAL SKILLS AND CERTIFICATIONS

- *Technical Languages:* Java, TypeScript, JavaScript, Python, HTML/CSS, C++, SQL, NoSQL
- *Frameworks/Tools:* Spring, Angular, Flask, Git/Gitlab CICD, Junit, Mockito, AWS, Docker, Jenkins, Eclipse, REST APIs, jQuery, Microsoft SQL Server
- *Certifications:* Certified SAFe 4 Agilist
- *Clearances:* Received Final DOD Top Secret/Secret, DHS Suitability, IRS MBI
- *Languages:* Fluent in English and Korean, basic proficiency in French

WORK AND LEADERSHIP EXPERIENCE

MITRE Corporation – *Lead Software Engineer/Group Leader*; McLean, VA
IRS Task Leader –

Feb 2017-Oct 2025

- Led a team of 10 developers to architect and deliver Java prototypes to support the IRS Customer Account Data Engine (CADE) 2 modernization effort, replacing Assembly-based legacy software
- Orchestrated engagements with IRS stakeholders, defining project scope and gathering requirements
- Developed custom Java tools to support Modernization efforts utilizing Agile methodology and processes, such as test-driven development and object-oriented programming
- Created Spring Boot microservices and conducted comprehensive code analysis, supporting modernization efforts for testing sufficiency and feasibility of modularizing with code base
- Enhanced user experience by identifying, debugging, and resolving issues in a custom-built web application tool using the MEAN (MongoDB, Express.js, AngularJs, Node.js) stack for analysts to examine and evaluate legacy Assembly Language code

IRS AI Technical Subject Matter Expert (SME) –

- Served as AI technical SME to a team of 5, identifying and defining use cases for Large Language Models (LLMs) that align with IRS modernization needs and objectives
- Led a team of 4 as Principal Investigator to develop and estimate a cost function for AI-driven modernization efforts
- Conducted in-depth case studies on LLM implementation within the IRS, offering expert guidance on AI technologies and their potential applications
- Presented LLM case study findings to IRS leadership, influencing strategic decisions regarding AI adoption

DOJ Web Developer –

- Developed a TypeScript/Angular web application, delivering a responsive UI to ensure optimal user experience among DOJ analysts
- Engineered RESTful backend services in Python using the Flask framework, leveraging Docker for efficient containerization and streamlined deployment
- Coordinated UI and backend teams to determine requirements for REST API endpoints and clearly delegate work

US Courts Task Leader –

- Designed and developed a cloud adoption strategy of operations, framework, and strategy to aid the US Courts in their cloud migration efforts.
- Engaged directly with client on a weekly basis to understand specific client needs and requirements for cloud services
- Led a team of 4 Subject Matter Experts to develop several cloud adoption tools, enhancing the efficiency and effectiveness of the migration process

Hiring Manager/Group Leader –

- Managed and oversaw a team of 6 employees, providing career development guidance
- Led recruitment process for software engineers by streamlining the hiring process for department, conducting phone screens and technical interviews, and playing a key role in final hiring decision
- Mentored interns and full-time employees, guiding through day-to-day tasks and careers
- Collaborated with project leaders to delegate appropriate tasks to team members, ensuring efficient workflow and optimal team productivity

GMU Senior Capstone Technical Advisor –

- Served as technical advisor and project manager in the GMU Cybersecurity Senior Capstone program, guiding students to deliver successful DevSecOps pipelines built in AWS and Azure
- Facilitated weekly meetings with students to resolve technical challenges regarding implementing a DevSecOps pipeline
- Oversaw execution of capstone project by providing mentorship and guidance to students, ensuring project met academic standards and real-world cybersecurity requirements

MITRE Corporation – Software Engineer Intern; McLean, VA

Jun 2016-Jan 2017

- Supported an IRS project to convert rules engine decision tables into operational Java code to accelerate project progression and improve efficiency

BizFlow Corporation – Software Engineer Intern; Falls Church, VA

Jun 2015-Jul 2015

- Developed a program for efficient management of employee contact information via database management and JavaScript
- Led and mentored new interns, delegating tasks strategically to foster understanding of the project while driving continuous improvements

EDUCATION

University of Virginia, School of Engineering and Applied Science

Charlottesville, VA

Bachelor of Science, Computer Science

PUBLICATIONS

December 2019 Federal IT Modernization Summit Report

Dr. Justin Brunelle; Mano Malayanur; Sharon Mayer; Diane Kuhla; Samar Zayed; Taylor Bacon; Christine Kim; Joseph Walter; Keren Bassey; Nicki Crane; Dr. Erik Miller; Bruce Patterson; Katy Warren; Dr. David Levermore

June 2019 Federal Cloud & Infrastructure Summit Report

David Hansen; Christine Kim; Scott Paul; Rock Sabetto; Gavin Schmidt; Dr. Mari Spina; Joseph Walter; Katy Warren

August 2017 ATARC Federal Cloud & Data Center Summit Report

Dr. Justin Brunelle; Katy Warren; Aaron Kemmer; Audrey Winston; Sunny Anand; Dr. Mari J Spina; Christine Kim