

Dawnena Key
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Summary

AI Developer and Full Stack Engineer with over 5 years of experience in designing, developing, and implementing AI-based solutions, automation, and system integration. Expertise in AI-driven chatbot development, system architecture, and cloud computing. Former federal employee with prior experience at the Bureau of Reclamation, Department of Interior, and Department of Defense (1991–1994). Proven ability to design and implement Python and JavaScript-based AI solutions to enhance operational efficiency and automation. Eligible for federal security clearance.

Technical Skills

Programming Languages: Python, JavaScript, SQL

AI & Automation: AI Chatbots, Machine Learning, NLP, Business Process Automation

Frameworks & Technologies: .NET Core, React, Node.js, Docker, Kubernetes

Database Management: MS SQL Server, MySQL, DynamoDB

Cloud Platforms: AWS, Azure, GCP

Tools & Platforms: Git, Jira, Confluence, SSIS, Zapier, Jenkins, Atlassian

Professional Experience

Full Stack AI Developer | Blue Federal Credit Union | Remote | 08/2024 – Present

Developed AI-driven chatbot solutions to enhance customer interaction and automate member support services.

Assisted in Azure cloud architecture planning, providing API integrations for both internal and external users.

Provided Tier III support, debugging and resolving Java-based issues in an Nginx environment.

Lead Data Analyst | Indeed | Remote | 10/2022 – Present

Designed and implemented Python-based automation for ETL pipelines, improving efficiency by 40%.

Developed custom AI models to optimize job-matching algorithms, improving user engagement. Integrated third-party AI tools to enhance data-driven decision-making for recruitment automation.

Software Developer Engineer Intern | Amazon | Remote | 04/2024 – 07/2024

Converted Java libraries into microservices, enhancing AWS Job Management API.

Used Infrastructure-as-Code (IaC) and Git to automate deployment pipelines.

API Integration Engineer | CCI LLC | Remote | 03/2021 – 03/2023

Developed AI-powered automation scripts to reduce workflow inefficiencies by 30%.

Designed secure API integrations with Azure, leveraging Python, Docker, and Kubernetes.
Conducted system testing to ensure seamless DoD and enterprise software compatibility.

Federal Experience | Bureau of Reclamation, Department of Interior, DoD | 1991 – 1994

Worked on Human Resource Information Systems

Gained foundational experience in Federal HRIS, security, documentation, and operational processes.

Education

Master of Science in Data Science (Expected May 2025) – University of Denver, Denver, CO

Bachelor of Science in Computer Science – Post University, Waterbury, CT (Graduated Summa Cum Laude 2022)

Certifications

Microsoft Certified: Azure Developer Associate

AWS Certified Solutions Architect – Associate

Security Clearance Eligibility

U.S. Citizen with the ability to obtain Federal Security Clearance.