



Full-Stack Cloud Engineer (Python/AWS)

Inflectra job description

LinkedIn Summary

Ready to be a founding engineer on an AI-first B2B SaaS platform? We are seeking a **Full-Stack Cloud Engineer (Python/AWS)** to develop a greenfield AI-first application. This role is a high-impact blend of Python application development, modern AWS Serverless architecture (Step Functions, DynamoDB), and building the Infrastructure as Code (IaC) and CI/CD pipelines necessary to deploy at scale.

Eligibility Requirements: U.S. Citizen or Permanent Resident (Green Card holder), who is a resident of the continental U.S., excluding California.

We are conducting a targeted hiring process for this critical role and will begin reviewing applications on January 19th, 2026. Candidates are encouraged to apply immediately.

About Inflectra

Inflectra Corporation is a profitable, self-funded B2B SaaS company specializing in software test management (Spira) and test automation (Rapise). We are a small, growing team focused on delivering high-quality tools for critical applications worldwide. We foster a friendly, supportive environment and offer remote flexibility (team members outside the Washington, DC metro area are 100% remote).

The Opportunity: Greenfield Build & Scalability

This is a high-impact, hybrid role crucial to both the launch of our next-generation offering and the ongoing improvement of our core product. You will be instrumental in building a new, AI-first application from the ground up, while simultaneously driving modern cloud development best practices in our existing SaaS platforms.



Work Status & Residency:

- **Immigration Status:** Due to security requirements, this position is strictly limited to U.S. Citizens or Permanent Residents (Green Card holders).
- **Location:** You must be a resident of the continental United States, excluding California.

Core responsibilities

- **Cloud Application Development:** Design, develop, and deploy robust, scalable cloud-native applications using Python and advanced AWS Serverless services (Lambda, Step Functions, DynamoDB, S3). You will be a lead implementer on a new multi-stage, microservices architecture.
- **Software Engineering:** Write clean, efficient, and well-documented Python code, following best practices for testing and development within a microservices and event-driven pattern.
- **System Architecture:** Contribute to architectural decisions, ensuring high scalability, fault tolerance, clear separation of concerns, and security best practices are baked into both new and existing cloud solutions.
- **Infrastructure as Code (IaC) & Automation:** Use AWS CDK and CloudFormation to define the infrastructure required for your applications. You will help automate environment provisioning and CI/CD pipelines to ensure our products are self-scaling and easily deployable.
- **Security & Compliance:** Partner with leadership to implement security best practices (e.g., IAM, network controls) directly into the application and production environments. You will act as a hands-on implementation specialist to ensure our cloud solutions are secure by design.

Required Skills & Experience

- **Software Engineering:** At least 5 years of experience in a software engineering role. You must have proven expertise in developing applications with **Python**.
- **AWS Development:** At least 3 years of hands-on experience building and architecting with core AWS services. AWS Certifications (e.g., Certified Developer or Solutions Architect) are strongly preferred
- **AI and GenAI:** Experience using AI tools is required. Experience developing GenAI applications or features (including knowledge of **Amazon Bedrock** and **SageMaker**) is strongly preferred.
- **Architecture:** Strong familiarity with microservices architecture, event-driven patterns, and serverless technologies.
- **Data Modeling:** Proficiency with NoSQL (specifically **DynamoDB**) and SQL database systems.



- **DevOps & IaC:** Experience with CI/CD pipelines and Infrastructure as Code (AWS CloudFormation or **CDK**) to support your own deployments.

Qualities We Look For

- **Self-Motivated & Product Focused:** Highly self-motivated and self-directed, with the ability to absorb complex technical requirements and translate them into high-quality code. You are excited by the "founding engineer" challenge of building a product from the ground up.
- **Analytical Problem Solver:** Exceptional analytical and problem-solving skills, with a keen attention to detail, like when debugging complex, event-driven systems.
- **Technical Communication:** Excellent written and verbal communication in English, focused on clear technical explanations and the ability to discuss architectural trade-offs with colleagues and leadership.
- **Collaboration and Teamwork:** Strong interpersonal skills, focused on rapport-building, teamwork, and aligning technical choices with business value. You enjoy working in a tight-knit environment where you can directly impact the product roadmap (scrum and agile)

Compensation and benefits

- **Salary:** Total targeted salary of \$80,000 USD to \$125,000 USD, commensurate with experience.
- **Bonus:** Annual bonus program based on company profitability.
- **Retirement:** 401(k) with company matching.
- **Health & Wellness:** Comprehensive group medical (PPO), dental, and vision insurance with coverage extending to all dependents.
- **Time Off:** 4 weeks of Paid Time Off (PTO) plus 12 national holidays.