NOVARTIS

Forward Deployed Engineer – AWS Stack

Job ID
REQ-10090384
Ноя. 13, 2026
Испания

Сводка

#LI-Hybrid
Location: Barcelona, Spain

At Novartis, we combine cutting-edge science with innovative digital technology to help bring medicines to patients faster.

As a Forward Deployed Engineer – AWS Stack, you will work at the intersection of AI, engineering, product and business, turning high-value challenges into secure, scalable and production-ready solutions on AWS.

You will build enterprise GenAI and agentic AI solutions using technologies such as Amazon Bedrock, Amazon SageMaker and AWS cloud services, helping teams move from high-value business problems to production-ready AI-enabled products.

This is a hands-on role where you will move from discovery and rapid prototyping through to engineering, deployment, adoption and continuous improvement.

About the Role

Key responsibilities

- Own the end-to-end delivery of AWS-based AI and agentic AI solutions, translating business priorities into clear technical solutions and measurable outcomes.
- Work directly with Product Managers, Product Owners and business stakeholders to understand workflows, rapidly prototype solutions and take viable concepts into production.
- Design, build and deploy enterprise GenAI and agentic AI solutions using AWS cloud services, including technologies such as Amazon Bedrock, Amazon SageMaker, OpenSearch, Lambda, API Gateway, S3 and DynamoDB.
- Design agent intelligence using prompts, reasoning, retrieval, tool calls, integrations and appropriate guardrails to deliver accurate and responsible outcomes.
- Build secure integrations across AI capabilities, enterprise data and business platforms, including AWS services, MuleSoft, Veeva and other approved enterprise technologies as relevant.
- Apply strong engineering practices across architecture, coding, testing, CI/CD, security, privacy, observability, performance and responsible AI.
- Evaluate AWS technologies and engineering approaches, making pragmatic decisions around scalability, maintainability, security, performance and cost.
- Turn ambiguous business requirements into practical, production-ready AWS solutions through rapid prototyping and iterative delivery.
- Create reusable AWS components, patterns and documentation, sharing knowledge and coaching colleagues to strengthen internal engineering capability.
- Measure solution performance, adoption and business value, using insights to continuously improve solutions and inform product and platform roadmaps.

Essential requirements

- Bachelor’s degree in Computer Science, Software Engineering, Artificial Intelligence, Information Technology or a related discipline, or equivalent professional experience.
- Significant hands-on software engineering, AI engineering or technical delivery experience, with a strong track record of taking solutions from problem definition and architecture through to production.
- Experience designing or delivering AI-enabled applications using LLMs, GenAI, RAG, prompt engineering, tool calling or agentic workflow patterns.
- Strong programming experience in Python and/or Java.
- Hands-on experience with relevant AWS AI and cloud technologies such as Amazon Bedrock, SageMaker, OpenSearch, Lambda, API Gateway, S3 and DynamoDB.
- Experience designing, building and operating secure, scalable cloud-native solutions on AWS.
- Experience integrating enterprise systems and data using APIs, middleware, event-driven approaches or data pipelines, alongside strong production engineering practices.
- Strong stakeholder-facing delivery skills, with the ability to translate ambiguous business challenges into clear technical approaches within a complex, regulated enterprise.

Desirable requirements

- AWS certifications or practical experience across relevant AWS cloud, AI, machine learning, data and architecture domains would be an advantage.
- Experience with complementary enterprise AI and data technologies such as Snowflake Cortex AI, Azure AI, Claude, MuleSoft or Veeva would be beneficial.
- Experience delivering AI, GenAI or cloud-native solutions in regulated enterprise environments.
- Familiarity with responsible AI, privacy, security and governance considerations for enterprise AI solutions.
- Experience creating reusable AWS components, engineering patterns, technical documentation and enablement materials.

Expected Annual Base Salary Range for role: €63,800 to €118,400

The base salary offered is determined based on gender-neutral objectives, such as relevant skills, competencies and experience in accordance with the Novartis pay setting policy and upon joining Novartis will be reviewed periodically.

In addition to your base salary, you may be eligible for a performance-based bonus depending on certain performance parameters.

The rewards of being part of our team go far beyond base pay and incentives. We also offer a variety of competitive benefits in kind to help you thrive personally and professionally, such as insurance plans, retirement plans, wellbeing resources and global recognition programs. In addition, we provide flexible and hybrid working options, where possible, and minimum 14 weeks paid parental leave.

Pay equity is a fundamental principle of our employment policy and reflects our commitment to create a diverse, equitable and inclusive environment that treats all employees with dignity and respect, as outlined in our Code of Ethics.

Benefits and compensation may vary by country and are subject to local legal requirements, including provisions of collective bargaining agreements where applicable. A full overview of your compensation package, including any relevant collective bargaining agreement details applicable to your role based on your employment location and Novartis employer entity, will be communicated separately to you during the application process.

Commitment to Diversity and Inclusion

Novartis is committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? https://www.novartis.com/about/strategy/people-and-culture

Benefits and Rewards: Learn about all the ways we'll help you thrive personally and professionally.
Read our handbook (PDF 30 MB)

Primary location salary range
€63,800.00 - €118,400.00
Дивизион
Operations
Business Unit
Information Technology
Место
Испания
Сайт
Barcelona Gran Vía
Company / Legal Entity
ES06 (FCRS = ES006) Novartis Farmacéutica, S.A.
Functional Area
Data and Digital
Job Type
Full time
Employment Type
Regular
Shift Work
No

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