NOVARTIS

Forward Deployed Engineer - AI Prototyping & Product Engineering

Job ID
REQ-10090472
Окт. 29, 2026
Индия

Сводка

Job Title: Forward Deployed Engineer - AI Prototyping & Product Engineering

#LI-Hybrid

Location: Hyderabad, India

Relocation Support: Yes

What if you could take an ambitious AI idea and turn it into a product that scientists, clinicians, and business teams actually use? In this hands-on, builder-first role, you'll work directly with teams across life sciences and healthcare to translate complex problems into practical AI-powered solutions. You'll move from discovery and rapid prototyping to full-stack product engineering, enterprise integration, deployment, and continuous improvement, using foundation models, AI-assisted development tools, retrieval-augmented generation, agentic approaches, and reusable platforms. This is an opportunity to stay close to the code while shaping solutions with users and turning promising prototypes into secure, scalable products with measurable impact.

About the Role

Key Responsibilities

- Partner with business and domain teams to translate complex challenges into high-value AI product opportunities.
- Rapidly prototype, test, and refine solutions through short build, demonstrate, learn cycles with users.
- Build end-to-end AI applications using Python, TypeScript, React, foundation models, and reusable platform capabilities.
- Apply AI-assisted development tools and coding agents while ensuring quality, security, and maintainable engineering.
- Develop retrieval-augmented generation, document intelligence, agentic workflows, and automation for life sciences use cases.
- Integrate AI products with enterprise application programming interfaces, data platforms, identity services, and authorized business systems.
- Deploy secure, reliable applications on Amazon Web Services using Amazon Bedrock and appropriate cloud services.
- Establish automated testing, evaluation, observability, continuous integration and deployment, and sustainable operational practices.
- Embed privacy, security, traceability, human oversight, and appropriate controls throughout the product lifecycle.
- Measure adoption and business outcomes, turning successful solutions into reusable capabilities that accelerate future AI products.

Essential Requirements

- Approximately 8-12+ years of professional experience, including 5+ years building and delivering production software.
- Proven ownership of applications or products from problem discovery through deployment, adoption, and continuous improvement.
- Strong Python expertise with the ability to build complete, production-ready applications beyond notebooks, prompts, or model endpoints.
- Working-to-advanced TypeScript, JavaScript, and React experience building functional and intuitive user interfaces.
- Strong engineering fundamentals across application programming interfaces, data modelling, databases, authentication, testing, containers, and cloud deployment.
- Hands-on experience with continuous integration and continuous delivery practices, building maintainable solutions suitable for production environments.

Desirable Requirements

- Experience building generative artificial intelligence solutions using foundation models, retrieval-augmented generation, agentic workflows, and tool integrations.
- Experience delivering technology solutions within life sciences, pharmaceuticals, healthcare, or another regulated environment.

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.

Accessibility and accommodation

Novartis is committed to working with and providing reasonable accommodation to individuals with disabilities. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to perform the essential functions of a position, please send an e-mail to diversityandincl.india@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message

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.
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Business Unit
Information Technology
Место
Индия
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Company / Legal Entity
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Functional Area
Data and Digital
Job Type
Full time
Employment Type
Regular
Shift Work
No

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