NOVARTIS

Forward Deployed Engineer - AI Prototyping & Product Engineering

Job ID
REQ-10091267
Ноя. 02, 2026
Чехия

Сводка

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

#LI-Hybrid

Location: Prague

Relocation Support: This role is based in Prague. Novartis is unable to offer relocation support: please only apply if accessible.

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.

Benefits & Rewards

At Novartis, we’re committed to reimagining medicine together - and rewarding the people who make it happen.

Expected Annual Base Salary Range for role:

1,402,380.00 - 2,604,420.00 CZK Annual

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.

What you will receive:

Monthly pension contribution matching your individual contribution up to 3% of your gross

monthly base salary; Risk Life Insurance (full cost covered by Novartis); 5-week holiday per year; (1 week

above the Labour Law requirement); 4 paid sick days within one calendar year in case of absence due to

sickness without a medical sickness report; Cafeteria employee benefit program – choice of benefits from

Benefit Plus Cafeteria in the amount of 17,500 CZK per year; Meal vouchers in amount of 105 CZK for

each working day (full tax covered by company); Car Allowance; MultiSport Card, Employee Share

Purchase Plan. Find out more about Novartis Business Services:https://www.novartis.cz

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
Kč1,402,380.00 - Kč2,604,420.00
Дивизион
Operations
Business Unit
Information Technology
Место
Чехия
Сайт
Prague
Company / Legal Entity
CZ02 (FCRS = CZ002) Novartis s.r.o.
Functional Area
Data and Digital
Job Type
Full time
Employment Type
Regular
Shift Work
No

Accessibility and accommodation

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

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2. https://www.novartis.com/about/strategy/people-and-culture
3. https://www.novartis.com/sites/novartis_com/files/novartis-life-handbook.pdf
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