HAYSTACK PEOPLE

Senior full-stack developer

ScaleUp Vast

COMPANY PROFILE

Our client is a fast-growing HealthTech scale-up building technology that makes healthcare more accessible, efficient and scalable. Their platform already serves thousands of users and continues to grow rapidly.
As they continue to scale, they're rebuilding the foundation of their platform to support future growth. This creates a unique opportunity for an experienced engineer who enjoys solving complex technical challenges and building high-quality software from scratch.
Engineering plays a central role within the organisation. You'll join a highly technical team where ownership, collaboration and continuous improvement are key. Decisions are made quickly, new ideas are encouraged and modern AI-powered development practices are part of the daily workflow.

JOB DESCRIPTION

As a **Senior Full Stack Engineer**, you'll take ownership of the core platform powering both the web and mobile applications. From architecture and database design to deployment and monitoring, you'll be involved throughout the entire software development lifecycle. One of the key aspects of this role is **AI-native software development**. Besides using AI coding assistants, you'll help improve engineering productivity by building AI agents, custom workflows, plugins and internal developer tooling.

Your responsibilities

- Design and build scalable backend services using Node.js & TypeScript
- Develop robust APIs used by both web and mobile applications
- Design scalable databases and maintain data integrity
- Build software end-to-end, from architecture through production deployment
- Integrate third-party platforms and external services
- Develop AI agents, custom workflows and internal engineering tools
- Improve software quality, scalability and performance
- Help shape the technical direction of the engineering team

JOB REQUIREMENTS

We're looking for someone with experience building modern software platforms from start to finish and who enjoys working with the latest AI-driven development practices.

Required

- 4+ years of professional software engineering experience
- Strong experience with Node.js and TypeScript (or another modern backend language)
- Proven experience building and deploying applications end-to-end
- Experience designing scalable APIs and database architectures
- Hands-on experience with AI agents, autonomous coding workflows or custom AI tooling
- Strong ownership mentality and excellent communication skills

- Fluent in English

Tech Stack

- TypeScript
- Node.js
- React
- React Native
- SQL & NoSQL
- REST APIs
- Docker
- AWS, Azure or GCP
- CI/CD
- AI coding platforms such as Cursor, Claude Code and Codex

Experience with regulated environments such as Healthcare or FinTech is considered a strong advantage.

EMPLOYMENT CONDITIONS

- Salary between **€7,000 and €10,000 gross per month**, depending on experience
- Pension scheme
- Learning budget and extensive personal development opportunities
- Monthly flexible benefits budget
- Hybrid working (approximately 2 days per week in the Rotterdam office)
- Around 20 remote working days per year
- Plenty of ownership, autonomy and technical freedom
- The opportunity to help build a rapidly growing HealthTech platform using the latest AI-native development practices

Interested in this opportunity or curious whether it's the right fit for you?

Feel free to apply through this vacancy or reach out directly for a confidential conversation.

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Contact & solliciteren

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