
Backend Typescript developer | Healthcare

StartUp

Vast

80k

COMPANY PROFILE

A healthtech software company in Amsterdam builds digital products for surgical education and operating room support. Their software is used by hospitals, universities and medical teams worldwide.

The company is in the middle of a technical transition. For years, development was outsourced. Now, the entire engineering organisation is being rebuilt inhouse.

That means:

- not everything is clean yet
- core backend decisions are still being shaped
- technical debt exists and needs to be addressed deliberately

There is one engineering team working across multiple related products. No strict silos, no agency style delivery. Engineers are expected to think in systems, data flows and failure modes, not just features.

The environment is international, English speaking and engineering driven. Hybrid setup with an Amsterdam office.

ROLE DESCRIPTION

As a Senior Backend Developer, you are expected to operate independently and take responsibility for backend design and stability.

You will work on:

- backend services that power surgical training and procedure support platforms
- APIs consumed by complex frontend applications used in medical contexts
- data flows and integrations across multiple products

Your responsibilities go beyond writing code:

- Design and build backend services using Node.js and TypeScript
- Own API design, data models and service boundaries
- Think through reliability, error handling and edge cases
- Actively reduce technical debt instead of adding layers on top
- Collaborate closely with frontend engineers to shape end to end flows
- Work in a serverless AWS environment with production responsibility

This is not a role for someone who only wants to implement predefined tickets. You are expected to reason about architecture, data consistency and long term maintainability.

REQUIREMENTS

Required

- 6+ years of professional backend development experience
- Strong production experience with Node.js and TypeScript
- Experience designing and maintaining APIs at scale

- Solid understanding of backend architecture, data modelling and system design
- Experience with testing, CI/CD and production environments
- Ability to work autonomously and make technical decisions
- Fluent English communication

Nice to have

- Experience with serverless architectures on AWS
- Experience with regulated or high reliability environments such as healthcare or finance
- Familiarity with event driven systems or asynchronous processing
- Interest in data intensive systems or AI driven features

CONDITIONS

- Salary up to €75.000 gross per year
- Exceptional profiles up to €80.000
- Hybrid working model with 2 office days per week in Amsterdam
- Travel allowance or public transport card
- Laptop of choice (Apple or Microsoft)
- Daily lunch and snacks
- Training and development budget
- Pension plan
- Visa sponsorship available

Interested? Call or email Lars Verweij via +31 6 2029 3364 or l.verweij@haystackpeople.nl

Contact & solliciteren

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