

Backend Engineer, Sana Labs

Backend Engineer, Stockholm, Sweden

About Sana Labs

Sana Labs is an artificial intelligence company that applies recent breakthroughs in deep learning to personalize education. Sana was founded in Stockholm in 2016 and is backed by a renowned set of investors and advisors. We offer real-time content recommendations for forward-thinking education companies around the world. Our interdisciplinary team consists of experienced engineers and scientists with backgrounds ranging from Imperial College and CERN to Google and Spotify.

Our Mission

Personalized education is proven to produce learning gains for the average student to the order of two standard deviations. Our mission is to apply recent breakthroughs in deep learning to make personalized education accessible to everyone — providing these benefits on a global scale.

Our Thesis

The global education industry is vast, valued at over \$5 trillion in 2017, and is undergoing a sea change with the move to digital and online instruction, materials and modalities. This shift, to

digital and online resources, is enabling what many educators consider to be the holy grail of learning — personalized, adaptive instruction and assessment. With our machine learning platform, we aim to be the engine that drives forward this change— fundamentally improving the function of the entire \$5 trillion education industry, directly affecting hundreds of millions of people's lives every single day.

About the Role

As an Backend Engineer, you will join Sana's founding team architecting and developing our backend to deliver content recommendations and insights to millions of learners and teachers around the world. A key enabler for the success and growth of Sana's business is a highly available, scalable and extendible backend which you will play a key part in forming. You will also be expected to be hands on with setting up and maintaining infrastructure when needed. This is your chance to develop cutting-edge technology that will help change the future of education!

What you'll do

- Join the founding team of one of Europe's most prominent artificial intelligence companies and play a key role in developing the core technology;
- Design, develop and deploy backend systems with focus on high availability, low latency and scalability;
- Build and operate infrastructure, toolset and data pipelines using Google Cloud Platform;
- Collaborate cross-functionally with research and engineering teams at Sana Labs and communicate your work to colleagues and management;
- Maintain and support large-scale batch processing development pipelines;

Who you are

- You have the ability to analyze complex situations/problems and deliver logical and efficient solutions;
- You have excellent coding skills in at least one programming language and you are eager to pick up more when necessary;
- You have experience with large scale systems and technologies such as distributed systems, load balancing, monitoring, configuration management.
- You think a working proof-of-concept is the best way to make a point, and you thrive on the belief that quality doesn't have to be compromised to achieve speed - you can have both at the same time;
- You are skilled in isolating, documenting, and tracking issues systematically;
- In addition to having an intimate knowledge of core engineering fields, you understand how all the pieces fit together into integrated systems and how they impact performance;
- You feel ownership over everything you ship; you'd never think of code as "released" by your team until you're sure it's correct;