Ahraz Asif

Experience

April 2024–Present

DevX Platform Engineer, *Sandvik Group AB (via Nimble Software AB)*, Göteborg.

I work as a member of a senior DevEx team within Sandvik with the mission to improve the development experience across the company, totalling almost 1500 engineers.

With a focus on building a state-of-the-art GitHub-based enterprise development platform, we work on leveraging various platform offerings such as GitHub Codespaces, GitHub Actions, GitHub Copilot and many more to improve developer efficiency. All of this is brought together with a Backstage instance we maintain and develop which acts as the developer portal.

My key contributions to the team include advancing our platform offerings within the DevEx team. I led the introduction of GitHub Codespaces as a development environment for applicable projects, managed the migration of several platforms onto GitHub Enterprise—encompassing CI/CD infrastructure—and continuously maintained and improved our Golden Path documentation to address critical company use cases. Additionally, I actively developed and maintained our Backstage instance, ensuring it meets evolving needs.

This role involves interfacing with a large variety of teams, architectures, code bases, languages and frameworks, working with a service-oriented mindset alongside development teams to empathetically understand their issues and work with them to improve their workflow.

Technology stack: Python, Azure, Backstage, Github Actions, DotNet, GitHub Codespaces, GitHub Enterprise, Azure DevOps, ServicePortal

March 2024–Present

Founder, *Nimble Software AB*, Göteborg.

Freelancing/solo consulting on various projects.

April 2021–March 2024

Tech Lead | Java/JVM & Spring, *Boneprox AB*, Göteborg.

As the founding tech lead at Boneprox, I was responsible for the development of Konekta, an online platform linking dentists and specialists. My role involved transitioning from an external system to an in-house platform, establishing development culture, infrastructure, process, tooling, architecture, and security protocols as the company's initial and most senior technical hire. I led a team of five, overseeing all software stack domains and ensuring compliance with data security and quality standards.

Additionally, I architected and initiated a commercial project leveraging AI for medical diagnostics through a paid API. Under my leadership, the team achieved deploying the model to Azure ML on Kubernetes, ensuring scalability and compliance with non-functional requirements.

- Developed a secure, scalable client-server application on Kubernetes, serving over 60% of the private Nordic dental market.
- Created a robust tech stack and foundational team, hiring five standout candidates.
- Developed key platform features, including a high-performance medical file upload service.
- Implemented cloud-native technologies for enhanced observability and operational reliability.
- Engineered reliable and secure CI/CD workflows with zero-down time deployments, test coverage and quality control
- Led the seamless migration of eight years of data when migrating to the new system
- Doubling platform traffic capacity without performance redevelopment.
- Established rigorous security protocols and network architecture within Azure to safeguard sensitive data.

Technology stack: Java, Spring, Docker, Kubernetes, Azure, React, Typescript, Gradle, Github Actions, PostgreSQL, Terraform, Linux

March 2020–April 2021 **Site Reliability Engineer | Java/JVM**, *Avinode AB*, Göteborg.
One of two Site Reliability Engineers in Avinode's 30 engineer department. Responsible for maintaining and implementing infrastructure on Azure, from Azure AKS, mainting linux VMs to Jenkins updates and pipelines. The software was in Java, so this also involved working with Gradle and other JVM related technologies for building and testing.

- Migrated a stateless payment gateway API from a traditional VM-based deployment model to a scalable Kubernetes hosted service
- Maintained a self-hosted installation of GitHub Enterprise and Jenkins
- Maintained the underlying Azure Kubernetes infrastructure for the development team, ensuring the platform was secure and operational

Technology stack: Kubernetes, Terraform, Azure, Java, Linux, Jenkins

Sept 2017–March 2020 **Senior Developer | C(Sharp)/.NET**, *Combination AB*, Göteborg.
Cloud based systems development and infrastructure management for several products. CI/CD and IaC scripts written in Python for Azure cloud services. Systems developed on the .NETcore platform using modern C(sharp). Responsibilities range from DevOps duties such as maintaining and creating monitoring systems, solving long running operational issues, to full-stack development of application features (and many more). SCRUM master for the backend team.

- Solved several operational issues with InfluxDB, ElasticSearch and Grafana/Prometheus
- Implemented features in C(sharp), working closely with key stakeholders in a fast-changing environment
- Facilitated support workshops with key external technical partners who were building on our platform
- Worked with many different cloud-based offerings such as SignalR, RabbitMQ, Kafka, ElasticSearch, InfluxDB, and many more

Technology stack: C(Sharp), .NET Core, .NET Framework, Docker, Kubernetes, Azure, Python, ElasticSearch, Linux

Aug 2016–Sept 2017 **Software Engineer**, *SoftwareSkills AB*, Göteborg.
Developing online code-tests and maintaining the on-line candidate evaluation platform Honeypot. MEAN stack with the code tests written in Python in a proprietary online testing environment.
Technology stack: Full-stack JavaScript and Python.

Publications

Oct 2019 **Deep Neural Network Compression for Image Classification and Object Detection** , *ICMLA 2019*, Göteborg.
Masters thesis project done in collaboration with Volvo Group AB regarding optimization of neural networks for computer vision. With several novel findings, the study was published in the ICMLA 2019 conference.

Education

2017–2019 **Applied Data Science (MSc)**, *University of Gothenburg*, Göteborg, *Sweden*.

2014–2017 **Software Engineering & Management (BSc)**, *University of Gothenburg*, Göteborg, *Sweden*.

Languages

English **Native** *Primary language.*

Hindi **Native** *Secondary language.*

Swedish	**Intermediate**	*Learning.*

Skills

Programming	Java, C(Sharp), Python, JavaScript, Golang, Erlang, Terraform
Technologies	JVM, Spring, zsh, neovim, PostgreSQL, GitHub Actions, Jenkins, Spring, ASP.NETCore (+ MVC) .NET Framework (+ Core), Linux, Kubernetes, Docker, Helm, Grafana, InfluxDB, SQL, MongoDB, Express.js, ElasticSearch, PyTorch, Matplotlib, TensorFlow, React, Vue.js, Angular 1.6, node.js, Azure cloud services, git, GitHub, Devcontainers, GitHub Copilot