Yazan Ghafir

Available to start immediately
Borås / Gothenburg / Remote
Based in Sweden - Swedish citizen
yazan.yasser.ghafir@gmail.com - +46733888849

Education:

- Civilingenjör in Software Engineering
  Chalmers Tekniska Högskolan, Göteborg, Sweden
    - MSc. in Data Science & AI
    - BSc. in Software Engineering

Professional Certifications:

- Microsoft Certified: C# & .NET professional Programmer - C# 483
- Microsoft Certified: Azure Cloud Solution Architect Expert - AZ 303 + AZ 305
- Microsoft Certified: Cloud Infrastructure Designer Expert - AZ 305
- Microsoft Certified: Azure Cloud Technologies Expert - AZ 303
- Microsoft Certified: Azure DevOps Engineer Expert - AZ 400
- Microsoft Certified: Azure Cloud Developer Associate - AZ 204
- Microsoft Certified: Dynamics 365 Sales Functional Consultant Associate - MB 210
- Microsoft Certified: Microsoft Azure AI Engineer Associate - AI 102
- HashiCorp Certified: Terraform Associate (002) - DevOps IaC - HCTA0 002
- Microsoft Certified: Azure AI Fundamentals Certificate - AI 900
- Microsoft Certified: Azure Fundamentals Certificate - AZ 900

Skills:

Programming languages & frameworks:

- C#, .NET8, .NET Core, .NET Standard, .NET Framework - Senior level
- Python - Senior level
- Typescript, Javascript, ReactJS, AngularJS - Senior level
- JavaEE/JakartaEE Intermediate level
- Other: MSSQL, Postgres, Erlang, R, Matlab, C++, C, Html, CSS, SASS

Azure, DevOps, CICD & IaC:

Kubernetes, AKS, Docker, ArgoCD, ACR, Github Actions, Azure DevOps pipelines, yaml, Terraform, Azure container apps, Azure container instances, Azure functions, Logic apps, App services, Azure app configuration

Identity, monitoring, agile tools, docs & version control:

Datadog, Azure monitor, Application Insights, Log Analytics, Azure Entra, IAM, Privileged access control, RBAC, Github, Azure DevOps, Github projects, BitBucket, Gitlab, Confluence

Microsoft Dynamics 365 CRM and Power Platform

- Dynamics CRM - Senior level
- Power Apps - Senior level
- Power Automate - Senior level
- Xrm toolbox - Senior level
- Server side plugin development & frontend webresource development - Senior level
- Integrations & configurations - Senior level
- Dataverse, Data flows & pipelines - Senior level
- Other: Power BI, Azure Data Factory, Microsoft Fabric

AI, Machine learning, data engineering & analytics

Deep learning, building from scratch transformers, CNNs and MLPs, PyTorch, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Jupyter, OpenCV, Azure AI Cognitive Services, OpenAI API, Azure Machine Learning, Azure Databricks, Azure Synapse Analytics, Azure Data Factory, Azure Data Lake, Azure SQL Data Warehouse, Apache Spark, PySpark, Hadoop, Databricks, Delta Lake, Apache Kafka, Azure Data Factory, Azure Synapse Pipelines, Azure Databricks, Azure Event Hubs, Azure Stream Analytics, Azure Cosmos DB, Azure SQL Database, Azure Data Lake Storage.

Professional Experience:

Tech Lead - CRM - Hedin IT, Mölndal. May 2023 - Present

I supported as a software architect, mentored, and served as a senior engineer across DevOps, cloud, integration, and Microsoft Dynamics 365 CRM. Over the past 1 year and 5 months, I have contributed significantly by writing approximately 200,000 lines of code, alongside performing various other leadership duties.I have successfully designed and implemented global IT & CRM solutions that have resulted in substantial cost savings for the Hedin Mobility Group (with a revenue of 80 billion SEK, operating in 13 European countries):

- ~5 MSEK / year I have designed & built an end-to-end home built AI assistant in Microsoft Teams - called "Stig" - who helps with administration of 5 systems by simply chatting with it to perform direct actions. It is estimated that it is as efficient as at least 2 full time employees/consultants.
- ~8 MSEK / year by designing and implementing a global auto-lead distribution algorithm that distributes leads (prospects) globally to the most relevant and geographically nearest Hedin site or distributor site, while ensuring the validity of the complex access permission structure that I also built that ensures sales people, sales managers and importers of different brands, departments and roles cannot see and work with each others clients, opportunities and orders. This algorithm replaced 18 customer service people globally who worked full time with qualifying and distributing leads and now they are working with other things inside the organisation.
- ~8 MSEK / year in licences by changing the complete licensing model for thousands of users of the Microsoft PowerPlatform to the licences that they just need!
- ~7 MSEK / year by rewriting hundreds of logic apps integrations, azure functions, Azure Data Factory dataflow and pipelines as .NET API projects that run effectively in a cheap Kubernetes AKS cluster. I have transformed some of the integrations to cheap databricks python notebooks that run as daily and monthly jobs.
- ~5 MSEK / year in storing, editing and previewing documents globally by crafting a unique global storage solution that otherwise would cost 40USD/GB in Microsoft Dataverse.

Cloud Architect & Senior Software Engineer, In Process AB, Borås. January 2022 - April 2023

Led cloud architecture and software engineering efforts, serving clients like ABB, Valmet, and Doosan. Spearheaded the transformation of legacy systems into SaaS solutions. Designed and implemented secure, scalable architectures including token-based authentication, OAuth2, and OpenID Connect. Migrated on-premises systems to Azure, containerized apps using Kubernetes, and automated deployments with Terraform. Managed cloud infrastructure, including CI/CD pipelines, disaster recovery, and Azure Active Directory. Developed a Windows Virtual Desktop environment for legacy apps.

Cloud Engineer & Integrations Manager, COMBINUM, Borås. January 2020 - January 2022

Led major integration projects between COMBINUM CPQ, Microsoft Dynamics 365 CRM, and Business Central ERP. Developed core integration systems with over 60k lines of code, enabling seamless product configuration and quoting. Worked extensively with Azure services, C#/.NET, JavaEE, and Python. Delivered frontend and mobile solutions using React.js, Angular, and Ionic. Managed both on-prem and cloud databases, utilising Entity Framework Core for ORM.

Cloud AI - Federated and Swarm Deep Learning Specialist, Zenseact AB - Volvo Cars & AI Sweden, Gothenburg. January 2023 - April 2023 50%

Developed a federated and swarm-based deep learning system for autonomous driving using PyTorch. Implemented cloud-based coordination for distributed AI models using Azure services. The system allows vehicles to share and aggregate models without centralising data, enhancing scalability and fault tolerance. My code is the base code for a Vinnova-funded Volvo Cars project deployed in new Volvo & Polestar cars.

Co-Founder & Lead Software Architect, Lawyala, Gothenburg and Dubai. January 2019- January 2020

Co-founded Lawyala and served as the lead architect for its SaaS platform and cross-platform mobile app. Developed a global video conferencing system for legal services, managing the full-stack development including a C#/.NET Core backend, Angular web app, and IONIC mobile app. Deployed the entire system on Azure, ensuring scalability, security, and modern architecture practices.

Earlier Experience:

Inventor, Vinnova Financed Project - Nappi, Gothenburg
Supervisor in Data Structures and Algorithms | Object-Oriented Programming courses Chalmers, Gothenburg

Languages:

- Swedish: Native or bilingual proficiency
- English: Full professional proficiency
- Arabic: Native or bilingual proficiency