

# Hossein Margani (He/Him)

Software Engineer

Dynamic and achievement-focused Senior DevOps Engineer with over four years of hands-on experience in designing, implementing, and maintaining secure and efficient cloud infrastructures and a solid foundation in software development.

## Skills

- Demonstrated expertise in Azure infrastructure, excelling in cost estimation, architectural design, and implementation. Proven success in optimizing cloud resources to ensure cost-effectiveness while maintaining high-performance and scalability.
- Expert in orchestrating CI/CD pipelines using Octopus Deploy, Azure Pipelines and GitHub Actions, ensuring efficient and reliable delivery of software solutions with a focus on automation and continuous integration.
- Expert in PowerShell, Bash and Python scripting for efficient process automation
- Expert in C#, .NET Core, SQL Server, RESTful API
- Expert in crafting and managing Infrastructure as Code solutions using ARM and Bicep templates, ensuring scalable, efficient, and automated deployment of cloud resources.

## Employment

### Senior DevOps Engineer WTW

📅 June 2024 - Now, 📍 Reigate, UK

- Learned and adopted Pulumi with C#, implementing multiple infrastructure projects for the Unify teams and modernising existing cloud environments.
- Maintained and improved cloud infrastructure by performing monthly AKS upgrades, patching Windows VM images, and updating Windows/Linux Docker images.
- Designed and implemented infrastructure changes and new services using Pulumi and C#, ensuring scalability, reliability and clean configuration practices.
- Planned and executed the migration from Packer to Azure Image Builder for VM image creation, improving consistency, automation, and build quality.
- Authored and maintained pipeline templates and PowerShell scripts, contributed actively to the DevOps Guild across the organisation, documented infrastructure usage for developers, supported client-raised tickets, and participated in on-call rotations.

### Senior DevOps Engineer Aqovia

📅 Aug 2022 - June 2024 (1 yr 10 mos), 📍 London, UK

- Led two DevOps teams, providing technical direction, architectural guidance, and promoting best practices across all projects.
- Architected and delivered secure, scalable Azure infrastructure solutions closely aligned with development and business needs.
- Embedded DevSecOps practices by integrating security controls into CI/CD pipelines and enforcing infrastructure security standards.
- Optimised DevOps workflows by improving automation, introducing new tooling, and refining CI/CD pipelines for reliability and performance.
- Mentored engineers and fostered a collaborative culture focused on continuous improvement and cross-team knowledge sharing.

📍 London, UK

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📅 updated 24 Nov 2025

## DevOps Engineer Aqovia

📅 Oct 2018 - Aug 2022 (3 yrs 10 mos), 📍 London, UK

- Designed and implemented ARM/Bicep templates and automated CI/CD pipelines using Azure Pipelines (YAML) for multiple environments.
- Managed AKS clusters, orchestrated deployments with Helm v3 charts, and automated cluster patching and version upgrades.
- Automated provisioning of test environments using Chef, Vagrant, Azure Pipelines and Octopus Deploy.
- Developed dashboards and runbooks to visualise pipeline health, streamline operational tasks, and accelerate complex organisational processes.
- Implemented secure networking patterns including private endpoints, WAF policies, and SQL vulnerability assessments.

## Senior Software Engineer Aqovia

📅 Oct 2017 - Oct 2018 (1 yr), 📍 London, UK

- Engaged in productive collaboration with the team to comprehend requirements and business specifications effectively.
- Engaged in full-stack development using .NET, lit-html, Redux, with a focus on Test-Driven Development
- Designed and sustained web application architecture, microservices, and contemporary component-based user interfaces.

## Senior Software Engineer Geeks Ltd

📅 Mar 2016 - Sep 2017 (1 yr 6 mos), 📍 London, UK

## Software Engineer PTC

📅 Feb 2014 - Jun 2015 (1 yr 4 mos), 📍 Mashhad, Iran

## Software Developer GoldNet Engineering Group

📅 Jun 2010 - Feb 2014 (3 yrs 8 mos), 📍 Mashhad, Iran

## Software Developer Moshaveran Meshcut Shargh

📅 May 2006 - May 2010 (4 yrs), 📍 Mashhad, Iran

## Education

### Islamic Azad University of Mashhad

M.Sc. in Computer Software Engineering

Devised an enhanced algorithm for image encryption using cellular automata and chaos theory

### Sadjad Institute of Higher Education

B.Sc. in Computer Software Engineering

Engineered an algorithm for fast detection of glass particles in glass containers using C# and MATLAB