Hossein Margani (He/Him)

Software Engineer

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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.

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