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## Ahmed Magdy M. Ali

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[Site](#) , [LinkedIn](#) , [GitHub](#)

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### Employment

#### Software Engineer II

Uber

April 2020 – Now

- Part of the core infrastructure team
- Stack: Go and Python. M3, Monorepo, bazelle. Mesos,

#### DevOps Engineer

Nordic API Gateway & Spiir A/S, Denmark

July 2019 – March 2020

- Securing the infrastructure and integrating azure and 3<sup>rd</sup> party monitoring tools with the infrastructure.
- Tooling around the infrastructure to ease and speed up the development process.
- Building a lot of services for internal use, such as AD based authentication system for services, service catalog api, and build a system to backup and restore our data stores like Storage Accounts (S3), Tables and Cosmos DB.
- Developing the DevOps baseline and designing the CI/CD Pipelines.
- Offer guidance to the teams about best practices and recommended approaches to use cloud services and application architecture.
- Designing and Developing infrastructure as a code by using Terraform with Azure DevOps and Azure.
- Designing and implementing system microservices using Azure Service Fabric and Kubernetes.
- Stack: C#, ASP.NET Core, JS, Service Fabric, Docker, Kubernetes, Helm, .NET Core, Go, Terraform, Azure and Azure DevOps.

#### Software Developer

Nordic API Gateway & Spiir A/S, Denmark

Oct 2018 – June 2019

- Part of the core team responsible for developing the core system for the Nordic API Gateway to connect over 300 banks.
- Designing and implementing system microservices using Azure Service Fabric and Kubernetes.
- Stack: C#, ASP.NET Core, JS, GraphQL, Service Fabric, Docker, Kubernetes, .NET Core, Azure and Azure DevOps.

#### Full Stack Developer

Worklife Barometer ApS, Denmark

Aug 2017 – Sep 2018

- Development of backend API with C#, WebApi, Entity Framework, .NET Core, Service Bus and Azure Functions.
- Building Serverless Infrastructure by using Azure Functions and Durable Functions.
- Frontend development of portals in AngularJs 1.x, Angular2+, HTML5, CSS3, Gulp, Bower, WebPack, Material Design.
- Building Apps with multi-language support.
- Plan and develop CI / CD flows for our products.
- Improve App and Queries Performance.
- Migrating Old Projects from .NET to .NET Core and from Angularjs 1.x to Angular 5.

#### Software Developer

FreeLancer

2013-2016

- Building Apps for Customers using C#, ASP.NET MVC, and Node.js.

### Selected Projects

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- [AskMe](#): The idea of the app to enable you to tell people anonymously about anything you think about him/her and enable the person you send a message to see it and reply to it if he/she wants, built with ASP Core, EF Core, SQL Server, Angular4.
- [MoMoG](#): node.js package published to npm helps to generate mongoose (MongoDB ORM) model quickly with a single command to save time and effort.
- **Blood Bank Center**: ([Details](#)) Web App used to organize Blood Donation and Exchange Process with large options and Details about the app like users, donors, patients, types, and much more. Used: ASP MVC5, EF (SQL Server),Rxjs.

## Languages, Technologies and Platforms

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- C# (Expert), ASP.NET MVC (Intermediate), SQL (Intermediate), Java (Intermediate), Python (Basics), JavaScript (Intermediate), Typescript(Intermediate), Go (Basics)
- Windows Forms, WPF , ADO.NET , EF , Node.js , Express.js, Git, Angular2+ ,NoSQL(MonogDB) , MySql, MS Bot Framework, Ionic Framework, GraphQL, Docker, Kubernetes (K8S), Helm, DevOps .
- HTML , CSS , EJS , PUG, Handelbars
- Microsoft Azure, Azure DevOps.

## General Concepts

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- Object Oriented Programming, Object Oriented Design, Data Structures, Algorithms, Software Design Patterns, SOLID Principles, Software Development Processes, System Development Life Cycle, TDD Basics, Restful API.

## Education

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### Roskilde University

### June 2019 Class

- Bachelor of Science (B.Sc) in Computer Science and Business Studies.
- Selected Courses: Data Structures and Algorithms, Operating System, Object Oriented Programming, Software Engineering, Marketing Management and Organization Theory.
- With Bachelor Thesis in Machine Learning.