

Hamid Ghader

Software Engineer

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ABOUT

Highly technical software engineer with 15+ years of experience in delivering software systems for a wide range of business domains. Worked both as a software developer and a technical lead, involved in different stages of software development from inception to delivery.

Proficient coder in several programming languages. Familiar with modern software architectures and fundamentals, including Microservices, Event Sourcing and CQRS, MVC, Reactive Programming, and Domain-Driven Design. Particularly interested in design and development of cloud-native distributed systems that are scalable, highly available, and fault-tolerant.

SKILLS

Languages: Go C# JavaScript/TypeScript Visual Basic Lisp

Databases: PostgreSQL SQL Server MongoDB Oracle Elasticsearch Redis

Operations: Kubernetes Docker Terraform AWS CI/CD Prometheus Grafana

Messaging: Kafka NATS gRPC Protocol Buffers JSON XML RESTful API

Web: ASP.NET HTML CSS Chrome Extensions Selenium/WebDriver

EXPERIENCE

June 2021—Present, Senior Software Engineer, MediaMath (London, UK)

- Worked on Troubleshooting and Forecasting Aggregator and API. A set of services written in Go that process 300 million transactions per day to ultimately help customers diagnose and fine-tune their underperforming advertising campaigns and strategies. This will allow them to optimise their campaign spending by adjusting their target audience and sending the right content to the right people.
- Improved deployment standards by unifying CI/CD pipelines and processes that led to more consistent Kubernetes deployments using Helm.

2019—2021, Senior Software Engineer, Uswitch (London, UK)

- The main contributor of the Energy Savings Calculator. A highly concurrent service written in Go that performs 6 million comparisons every day to help customers save money on their bills. It drives 15% of the company's energy comparison revenue.
- Migrated over 25 live and operational services between Kubernetes clusters with 100% service availability in mind.

2018—2019, Software Engineer, Utility Warehouse (London, UK)

- As part of the Energy Team, delivered various microservices using Go, Kafka, Protocol Buffers, and gRPC for the new Smart Metering Platform.

2010—2018, Technical Lead, Geeks Ltd (London, UK)

- Involved in analysis, design, implementation and successful delivery of several bespoke client projects on time and on budget using .NET technology stack.
- In charge of technical direction of projects, making design decisions, providing technical support, project/sprint planning, task delegation, and reporting to directors.

2004—2009, Software Developer, various companies (Tehran, Iran)

- Provided a software solution for the Cutting Stock Problem (CSP) in C# using Genetic Algorithms, utilised by aluminium door and window makers to minimise their cutting waste in large projects.
- Migrated legacy accounting and stock management systems from MS Access to C# and SQL Server with a focus on improving user experience.

EDUCATION

MSc Information Systems Development

- 2010—2011, London Metropolitan University (London, UK)

BSc Applied Computer Software

- 2004—2007, Shamsipour Institute of Technology (Tehran, Iran)

Last updated: May 2023

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