Mark Tranter

Engineer

Mark Tranter
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Bio

I am a delivery focused engineer. I design and build high volume, event driven, distributed systems.

I'm also a developer. A polyglot: fluent in Scala, C#, Java, JavaScript (all flavours) and Kotlin. I'm competent with bit of python (if I must) and some Haskell (when I can).

I have a passion for processes that streamline delivery. Testing, Continuous Integration, Continuous Deployment and Trunk Based Development. Teams that are constantly delivering - many times a day - are teams that are motivated and excited to be at work.

Experience

Judopay / Senior Security and Data Engineer

AUGUST 2016 - PRESENT, LONDON (now remote)

Designed and delivered Judo's Fraud system. A real time, data streaming based solution built in Scala and Dotnet Core on Apache's Kafka and Cassandra and deployed into AWS using a mix of Docker (ECS) and EC2. This system was an upgrade from an old SQL/Sproc based solution. Given SLA's of 500ms, timeouts dropped from 50% to 0% of requests after delivery.

Architect for Judo's data pipeline, logically centralising data flows for stream processing. This allows for write-side data shaping and resulted in 100 to 1000 fold decrease in data access times for read-side/real-time systems. Built on the Confluent Stack and various data store technologies i.e. Postgres, Redshift, Cassandra, S3.

Lead engineer on real time notifications system using Kafka Streams and Akka. This allowed tech and non-tech staff to be notified by multiple channels, in real time, of fluctuations in technical and operational metrics.

Developed the initial phase Judo's API Gateway using Netflix's Zuul.

Scala, C#, Java, JavaScript, Aurelia, Docker, AWS, Terraform, Cassandra, DynamoDB, Bouncy Castle, Postgres, micro–services, Kafka, Confluent Stack.

Universal Music Group / Contract Engineer

FEBRUARY 2016 - AUGUST 2016, LONDON

Full stack development role. C#, Angular, REST, HATEOAS, RavenDB, NServiceBus, SpecFlow using Scrum methodologies.
Involved in the re-architecting and refactoring of an existing monolithic core business system into a micro service based enterprise wide platform.
Responsible for the design and development of the prototypal micro-service (End-user Task Management).

C#, JavaScript, Angular, AWS, Micro–services ASP.Net MVC, ASP .Net Web API, NServiceBus, CQRS, RavenDB, nUnit.

Sabbatical / Spanish Student

OCTOBER 2016 - JANUARY 2016, VARIOUS

4 weeks spanish school in Seville, Spain followed by 3 months Latin America travel.

ATG Media / Contract Engineer

OCTOBER 2014 - OCTOBER 2015, LONDON

Contract role split evenly between C#.Net and AngularJS.
Scrum & Kanban teams using CI & CD.
Extend and maintain a large CQRS implementation of real time web application for supporting live auctions, video streaming and real-time bidding (~7M lots offered per annum).
Responsive catalogue/e-commerce application using WebAPI, REST (HATEOAS) and AngularJS.

C#, SQL Server, NodeJs, Grunt, AngularJS, ASP.Net MVC/Web API, Service Stack, Entity Framework, CQRS, Micro–services, Dapper, ElasticSearch, Amazon DynamoDB, Amazon SQS, MSMQ, MySQL, MsTest.

Priocept / Head of Software Engineering

JANUARY 2014 - OCTOBER 2014, LONDON

Head of Software Engineering, client facing consultant for a small London based engineering consultancy. Architect & lead on multiple web based applications & distributed solutions for multiple clients including Association of British Insurers and the World Wildlife Fund.

Responsible for technical pitches, resource forecasting and recruiting.

C#, Python, Java, JavaScript, Google App Engine, NServiceBus, CQRS,, NodeJs, Angular, ASP.Net MVC, ASP .Net Web API, Solr, SQL Server, nUnit, Castle WIndsor, Unity.

Priocept / Senior Software Engineer

JANUARY 2013 - JANUARY 2014, LONDON

Client facing web developer, architect & technical lead on multiple web based applications & distributed solutions for multiple clients including WWF, Association of British Insurers and British Car Auctions.

Promoted to Head of Software Engineering

C#, Python, Java, JavaScript, Google App Engine, NodeJs, Angular, ASP.Net MVC, ASP .Net Web API, Solr, SQL Server, nUnit, Castle WIndsor, Unity.

Northdoor / Software Consultant

MAY 2010 - JANUARY 2013, LONDON

Client facing consultant developer. Technical lead on multiple web and desktop applications for the London Insurance market.

C#, WCF, SQL Server, ASP.Net, WinForms, ASMX Web Services, Entity Framework, jQuery, Unity, MSMQ, nUnit, Unity.

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Skills

- Scala
- C#
- Java
- JavaScript
- Kotlin

- SQL
- Cassandra
- Kafka
- DynamoDB
- Postgres

- Docker
- AWS
- Terraform
- CI/CD
- Agile

- Linux
- Windows

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Projects

https://github.com/mtranter/

https://www.nuget.org/profiles/mtranter