

Mark Gascoyne

Polyglot Software Engineer

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About Me



Software Engineer Bsc(Hons) with a wealth of knowledge and experience utilising software technologies and design patterns. I have proven time and again that I am creative, dependable, resourceful and self motivated. I always have a solution or know a way to obtain and apply it to any given problem.

Skills

kubernetes go lang helm flux skaffold kustomize github git circle-ci vuejs swagger rest dotnet sql-server csharp vb dotnet z-wave google-cloud docker linux cassandra entity-framework modbus scala nodejs tfs signalR redis azure aws mvc java spring jquery knockout backbone highcharts ssas soap ssis kafka confluent jira bitbucket postgresql react terraform k3s confluent-cloud graphql

Experience

Dae.mn/ Kultralab

Senior Software Engineer
(Contract)

Jun 2021 - Present

- Delivery of infrastructure as code and declarative infrastructure maintained using gitops.
- Delivery of ci-cd pipelines.
- Refining the backlog, gathering requirements.
- Developing the supporting services

Skills aws postgresql go lang skaffold kustomize flux kubernetes terraform k3s react graphql docker bitbucket jira confluent

Ve Global

Software Consultant

Jul 2020 - Jun 2021

- Restructuring of Ve's infrastructure and technology to save costs and create a more manageable environment.
- Introduce and setup local development using kustomise/skaffold/minikube.
- Rollout of GitOps to improve deployment pipelines.
- Training developers to develop best in class microservices.

Skills azure kubernetes skaffold kustomize vuejs kafka confluent-cloud go lang docker flux

Thermeon
Worldwide Ltd

Software Engineer	
<i>Jan 2018 - Jul 2020</i>	
	<ul style="list-style-type: none"> Undertake the companies first leap into Kubernetes. Working with all teams to introduce agile way of working. Work with the EU development team in an agile methodology to produce the single sign-on solution hosted in kubernetes and written in golang. Work with the US/EU teams to develop and deliver the PCI encryption micro service hosted in kubernetes and written in golang. Work with development and infrastructure teams to introduce Git-Ops using Weaveworks and various other Kubernetes tech (cert-manager, external-dns, sealed-secrets). Produce a Horizontal Pod Autoscaler for Kubernetes which uses pod readiness rather than metrics for scaling. Produce client facing website for booking rentals.
Skills	github circle-ci kubernetes golang helm flux vuejs google-cloud docker linux cassandra swagger rest

Utilitywise PLC

Senior Software Engineer	
<i>Apr 2015 - Jan 2018</i>	
	<ul style="list-style-type: none"> Development of the Wiselife IoT product Development of supporting services Development and management of data services
Skills	entity-framework sql-server z-wave modbus cassandra scala dotnet entity-framework nodejs docker linux tfs signalR redis git azure aws

t-mac Technologies Ltd

Software Engineer	
<i>Apr 2012 - Apr 2015</i>	
	<ul style="list-style-type: none"> Development of energy dashboards for clients Development of tmac energy analytics platform Development of data ingestion and processing services
Skills	csharp mvc java spring jquery entity-framework knockout backbone highcharts ssas

EnServe Group Limited

Software Engineer	
<i>Sep 2010 - Apr 2012</i>	
	<ul style="list-style-type: none"> Development and maintenance of Job Track Enterprise (JTE) for H2O Water Services Ltd and Thames Water /Veolia Water. Full involvement in maintenance and in ongoing development of the JTE system for H2O, including Smartclient application, website, web services, mobile devices database and SSIS packages. Full involvement in development of the JTE system for Thames Water in the run-up to live deployment, including all of the above elements plus integration with the IBM Websphere messaging system for near real-time integration with the Insight TMA system. Full involvement in interpretation of new requirements for both JTE systems in consultation with others both internal and external, technical and non-technical.
Skills	soap csharp sql-server vbdotnet ssis

Cse-Healthcare Systems Ltd

Student Software Engineer	
<i>Jun 2008 - Sep 2009</i>	
	<ul style="list-style-type: none"> Maintaining product specialist's demo laptop builds of RiO Development / Maintenance of internal tools used by all areas of CSE-healthcare systems Working as part of the live service team investigating software issues. Issuing hot fixes and releases. Working as part of the testing team testing software modules. Identifying code paths and testing plans.

- Design and created the replacement correspondence reference system which is used company wide (CSE-Global(UK) Ltd).
- Design and created a testing automation framework. I created a framework that automated web pages from the user point of view. I made the framework very flexible and reusable and created documentation that allowed a novice to quickly create tests and reuse code that has previously been created.

Skills csharp sql-server ssis

Education

Sheffield Hallam University

BSc(Hons) Software Engineering

2006 - 2010