

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