

Daniel Belden

Software Engineer

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Summary

Hey, my name is **Dan** and I'm a software engineer with skills in backend engineering for cloud native environments. My recent experience has focussed around microservice development in Go, primarily for K8s.

I've worked many engineering roles throughout my career; I've held Junior, Senior, Lead and even a short stint as a startup CTO.

I currently work as a contract software engineer as part of **Ori's remote** engineering team; a role that has me developing software for a kubernetes orchestration platform.

Experience

Ori Industries Ltd (Ori) / Contract Go Engineer

May 2022 - Present, Remote

Golang, REST, gRPC, Docker, GitHub Actions, Kubernetes, Postgres, Kafka, Multi-cloud

My day to day job revolves around Golang gRPC microservice design and development for Ori's backend. Deployment is enabled by Docker, Github Actions, Helm and FluxCD. Remaining tech involves postgres, kafka, terraform, multi-cloud and more.

PaymentSense Ltd (Dojo) / Contract Go Engineer

September 2021 - March 2022, Remote

Golang, REST, Prometheus, Grafana, Docker, TeamCity, CircleCI, GAE, GKE, TypeScript, Kubernetes, GCP

In this role I split my time between working on RESTful Go development, a small amount of TypeScript development and system architecture (planning). The backend was mostly Go and Typescript, with TeamCity CI pipelines pushing to GAE. The new ecosystem we were building towards when I left, was based on CircleCI pipelines pushing docker images to GCR; then using Helm charts to deploy them to GKE.

Mercari, Inc (Mercari US) / Contract Go/PHP Engineer

November 2018 - September 2021, Remote

PHP7, Golang, REST, gRPC, Prometheus, Grafana, Docker, CircleCI, GKE, Terraform, Kubernetes, GCP

My role involved backend software development on the Go gRPC gateway and microservice architecture running on GCP/GKE. They used continuous delivery with CircleCI pipelines to create GCR docker images. They were deployed to GKE via Spinnaker. Permissioning and infrastructure were managed by a large

terraform project, with GitOps being at the heart of all development.

Mercari Europe Ltd (Mercari UK) / Lead Engineer

March 2017 - November 2018, London

PHP7, Golang, Docker, CircleCI, LAMP, LEMP, SQL, Solr, S3, GCD, ELK, GAE, Kubernetes, AWS, GCP

Day to day I worked on the core api, it was built on a basic MVC PHP framework called DietCake. This acted as an “api gateway” for their native and web apps. I also founded numerous sub-system microservices which were built on Symfony3 and Golang. The majority of data was persisted to a master/slave configured MySQL Database; but caches (Redis/Memcache), NoSQL (GCD) and search (SOLR, Algolia) were also leveraged based on use case.

Shareight Ltd (Octer) / Chief Technology Officer

April 2016- March 2017, London

PHP5, LXC, Capifony, Capistrano, Jenkins, Cloudflare, SQL, ELK, LEMP, LAMP, Linode

After 18 months of contracting with Octer, I was appointed their CTO to help manage the new event centric platform I had built. My initial responsibilities included mentoring and scaling their engineering team (2 backend, 1 frontend alongside myself). My role was mostly managerial and DevOps focussed, freeing the team to focus on application development.

Shareight Ltd (Octer) / Contract PHP Engineer

September 2014 - April 2016, London

PHP4, PHP5, MySQL, Symfony2, Symfony3, RabbitMq, ELK stack, Redis, LEMP, LAMP, AWS

While working here as a contractor, I worked on various distributed microservices operating mostly on siren Json hypermedia REST pattern, XML queued feed downloaders and supporting the re-architecture of their monolithic startup codebase. The majority of the new refactored code written was in the Symfony2/Symfony3 framework (PHP5), numerous caching, queue and storage engines were in use... with the support of third party bundles and libraries.

Education

University of Manchester / BSc Computer Science

2008-2011, Manchester

I studied various modules including database design, software engineering and next generation web structure. I graduated in the class of 2011.

References

Available on request.