

# Will Clarke

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## Gathered & Found

July 2024 – Present

*Senior Backend Consultant - Golang, Ruby*

*Remote*

- Owned successful authentication-provider migration to Auth0; focused on integration, emails & tracking
- Fixed most brittle tests in our large Ruby monolith
- Created and implemented some architectural recommendations for Engineering Director
- Working on upgrading Ruby monolith from Ruby 2 to Ruby 3
- Techstack: Golang microservices, Ruby monolith, Kubernetes, Docker, MySQL, Terraform and AWS

## Tumelo

Jan 2024 – Apr 2024

*Software Engineer Contractor - Golang*

*Remote*

- Set up the key API integration for a new fintech product
- Enabled customers to log in and sync their banking data internally, allowing automated investor voting
- Techstack: Golang monolith with some gRPC, Docker, Kubernetes, Postgres and Terraform on GCP / AWS

## Just Eat

Nov 2022 – Nov 2023

*Software Engineer Contractor - Golang*

*Remote*

- Led successful AI initiative to create a chatbot for our internal support team
- Responsible for developing and maintaining the internal tool for managing restaurants' POS integrations.
- Completed a complex multi-year data migration which markedly improved data consistency and integrity
- Created a simple grammar and parser to optimise DynamoDB query performance
- Automated the dependency-updates of all company-wide golang microservices
- Helped team to reduce POS integration issues & downtime by 50%
- Supported major CI migration (CircleCI to Github Actions)
- Techstack: Golang microservices (our small team owned c. 60 microservices), DynamoDB and Kubernetes

## Infosum

Apr 2022 – Oct 2022

*Software Engineer Contractor - Golang*

*Remote*

- Led the creation and maintenance of critical user-facing HTTP and gRPC APIs
- Developed software with an emphasis on security, privacy, reliability and throughput
- Collaborated closely with other teams to ensure a cohesive user experience
- Techstack: Golang microservices communicating via gRPC running on AWS

## River Island

Aug 2020 – Apr 2022

*Tech Lead | Sept 2021 – Apr 2022*

*Remote*

- Promoted to tech lead, worked closely with technical architects, software engineers and business stakeholders to integrate a new warehouse provider into existing infrastructure
- Keystone project to improve logistical efficiency and growth potential
- Management role to align the team's technical direction with business objectives

*Software Engineer - Golang | Aug 2020 – Apr 2022*

- Expanded River Island's wholesale abilities; transformed and exported key data streams
- Techstack: Serverless Golang (AWS Lambdas chained together with SQS and Step Functions)

## SMC

Apr 2020 – Jul 2020

*Software Engineer - Golang*

*Remote*

- Hacked on a raw hardware device; enabled third-party developers to interface directly with our main application
- I added modular functionality for a new hardware communication device and worked on the backend server
- Techstack: Embedded Golang with Javascript and some node-RED

## Ratio

2019 – 2020

*Software Engineer - Golang, Node, PHP*

*Dorset*

- Led several projects to improve the customer experience on Ratio's financial comparison site
- Reduced maintenance burden; automated complex reporting processes, saving 2 engineer-hours/day
- Designed and implemented new data schemas to efficiently store customer data in AWS DynamoDB
- Techstack: Golang microservices, Node, PHP, AWS, Docker, Dynamodb, Servers (SSH & cron-jobs)

## Deliveroo

2016 – 2019

*Software Engineer - Golang, Ruby*

*London*

- Part of the Customer Experience team and routinely led features end-to-end
- Launched several successful products including the Order-Tracker and Self-Help flow
- Instigated and led the project to deprecate old apps - reduced maintenance burden and improved order rate
- Fixed many performance issues by caching rider-locations on the Order-Tracker and improving db queries
- Techstack: Ruby monolith and Golang microservices, Postgres, DynamoDB, Redis, AWS

## Snaptrip

2014 – 2016

*Software Engineer - Ruby*

*London*

- We were a scrappy startup and I got stuck in everywhere
- I added loads of features to our last-minute cottage booking platform including many provider integrations
- Techstack: Ruby on Rails, PostgreSQL, Redis, HTM / CSS / JS

## Forward3D

2012 – 2014

*Data Analyst - Ruby*

*London*

- I was initially an analyst but taught myself to code. I automated most of my job with hacky scripts
- Techstack: Ruby scripting, Web scraping, Google APIs, Automation

## **PROJECTS**

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- [GopherCon 2019 Talk - Monolith Decomposition at Deliveroo](#) - Rails monolith → Golang microservices
- [URL-shortener \(Golang\)](#) - probably overengineered, but very modular and cleanish
- [Snake \(Haskell\)](#) - Haskell is a lovely language, but probably not the best thing to write a game in
- [Chip-8 Emulator \(C\)](#) - easily one of my most interesting projects - opcodes and low-level delights
- [Website-generator \(150 line shell script\)](#) - I wrote this for my website <https://wclarke.net> (uses Pandoc)
- [Pong \(Rust\)](#) - I really really want to love Rust... it's so nearly perfect. But it's sometimes a bit annoying
- [shortstories.lol \(Python\)](#) - I nearly fried my macbook generating a load of stories with Llama2

## **SKILLS & INTERESTS**

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- **Skills** *Golang; communication; teamwork; APIs; HTTP; Event-Driven Architecture; backend; Ruby; scripting; architecture; nix; linux; docker; bash; database; SQL; NOSQL; infrastructure; terraform; serverless; monitoring; python; CI / CD; serverless*
- **Interests** *AI; chopping wood; cycling; reading; films (fantasy & sci fi); family; electronics; mechanical keyboards*

## **EDUCATION**

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**Masters in Anthropology and Archaeology - Durham University**

**2007 – 2011**

## **REFERENCES / TESTIMONIALS**

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**Stuart**

**Tumelo Product manager (2024)**

*Will, just wanted to say it's been a real pleasure to work with you so far. In addition to your engineering skills you bring great energy, focus, and raise important points/opinions where necessary. Keep up the good work!*

**Kyle** **Tumelo Tech Lead (2024)**  
*Will's work has really been instrumental to getting Retail to where it is today, he really took ownership over how we interact with Moneyhub and has skilfully tackled a number of complex features like creating broker connections and syncing accounts. Thanks for all you've contributed Will. Your enthusiasm has been infectious, and anyone who's had the pleasure of working in Retail can attest to the positive impact you've had!*

**Andy** **Tumelo Engineering Manager (2024)**  
*He has performed brilliantly and he is a tremendously lovely person who has had a profound impact on the team.*

**JC** **Gathered & Found Principle Engineer (2024)**  
*I think you did a fantastic job bringing more quality and challenges to always improve, thanks!!!!!!!!!!!!!!*

**Anders** **Gathered & Found Staff Engineer (2024)**  
*I love the positive vibes... you seem to know exactly what you're doing.*