Dimitar Dimitrov

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TECHNOLOGIES

Primary
Rust • Golang • Kubernetes
Jsonnet • Helm • AWS,GCP
Supporting
Linux • Docker • gRPC • SQL
Kafka • Bash • Python

EDUCATION

UNIVERSITY OF MANCHESTER | BSc in Computer Science
Sept 2016 - June 2020 | Manchester, UK
- Grade: 82% (First Class)
- Relevant modules:
  Distributed Systems,
  Databases,
  Advanced Algorithms,
  Computer Networks,
  Operating Systems,
  Compilers

RELEVANT WORK EXPERIENCE

SPIRALDB | Software Engineer
January 2025 - Present | London, UK

GRAFANA LABS | Staff Software Engineer
October 2021 - December 2025 | Amsterdam, NL

- Led development of Grafana's enterprise-scale Prometheus-based metrics platform in a distributed team.
- Spearheaded the next-generation Mimir architecture along a principal engineer, rebuilding the core system around the Kafka protocol and further leveraging object storage. This transformation slashes multi-AZ operational costs and shrinks outage probability by 30-200x.
- Researched and engineered concurrent fetching using the Kafka protocol in Golang, improving MTTR by 8.3x.
- Optimized querying the Prometheus inverted index from object store leading to 30-80% reduction in Go heap, 99% reduction in OOM events, and 29% reduction in p99 latency. Blog post link; grafana/mimir#4593.
- Introduced query planning for index selection, reducing cloud costs of the largest deployments of Grafana Cloud Metrics by 3-11% and consistently lowering p99 latency by 40-60%. grafana/mimir#11916.
- Unblocked onboarding of the largest metrics customer at the time by tracking down nodes with saturated network links and improving provisioning tooling to ensure sufficient capacity.
- Drove open-source adoption of grafana/mimir as a core maintainer: mentoring internal and external contributors, reviewing PRs, and steering architectural decisions through design documents.

WISE (FORMERLY TRANSFERWISE) | Software Engineer
August 2020 - October 2021 | Budapest, HU

- Owned major projects throughout their development life cycle including scoping and design, cross-team architectural decisions, implementation, launch and impact measurement.
- Worked in a team of two to integrate instant payments with a new banking partner.
- Created an automated data visualisation pipeline for daily engineering toil; drove adoption of the framework across three other teams helping them identify key areas for improvement
- Gained experience developing and supporting 24/7/365 services

THE HUT GROUP | Graduate Software Engineer
July 2018 - January 2020 | Manchester, UK

- Worked in a DevOps team facilitating infrastructure automation and aiming to provide IaaS and PaaS
- Delivered key components for a firewall automation project in collaboration with two other teams
- Developed REST-ful cloud-native microservices in Go that were in use by the company's developers
- Provisioned and maintained Kubernetes clusters for other teams

LIREX | Intern
July 2015 - Aug 2015 | Plovdiv, BG

- Engaged in a team of six to provide networking and hardware solutions to clients such as banks and hospitals
- Gained knowledge of fundamental principles of computer networks