

Nicholas Asimov

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summary

Golang software developer with knowledge in cloud architecture, live streaming services, concurrency, continuous integration and single page applications.

Advocate of simplicity and minimalism in systems and code.

experience

• Senior Golang Developer at Sphere Partners

January 2023 — Current (1 year 2 months)

Worked for a UK electrification company. Helped build a microservice backend for a B2B portal that helps businesses manage their EV fleet.

- Took part of backend application development (multi-tenancy, microservices)
- Architected, developed and took ownership of synchronization microservices with a 3rd-party data lake
- Optimized Kubernetes infrastructure
- Deployed and manually verified correctness and performance of all layers in the system (from UI to microservice backend system to third-party data lake)
- Troubleshooting, profiling, performance tuning

• Senior Software Engineer at Malwarebytes

June 2021 — November 2022 (1 year 6 months)

- Refactored significant portion of the core project to reduce technical debt and improve developer workflow
- Developed main microservice for a new product module (DNS Filtering)
- Developed an MVP for cloud security R&D project
- Created observability dashboards using a combination of existing and custom data metrics to see project health at a glance

• Senior Software Engineer at EPAM Systems

March 2019 — June 2021 (2 years 4 months)

- Took part in developing features in a loosely-coupled microservice architecture
- Migrated entire infrastructure provisioning from GCP Deployment Manager to Terraform, reducing the time to provision by a factor of 10
- Migrated from single-tenant to multi-tenant architecture
- Significantly simplified existing k8s manifests, extracting common parts into Helm templates
- Implemented strict linting rules throughout backend and frontend code
- Improved testing workflow by writing containerized database tests

- Maintained 80%+ unit-test coverage
- Reduced CI/CD pipelines runtime in half by refactoring the steps and optimizing build server infrastructure

• Software Developer at Wildberries

May 2018 — October 2018 (6 months)

- Rewrote legacy .NET services to Golang while maintaining API-compatibility
- Implemented video transcoding service
- Maintained new services with 80%+ unit-test coverage

• Software Developer at Facecast

October 2016 — January 2018 (1 year 4 months)

- Participated in developing core live streaming platform and accompanying testing utilities (using Go programming language)
- Led a junior web developer throughout multiple medium-sized projects
- Wrote both backend (in Golang) and frontend (Web UI, using React/Redux stack) for multiple products
- Created Continuous Integration and Continuous Delivery pipelines for most company's projects
- Maintained cloud infrastructure with Kubernetes

• Web Developer at Facecast

July 2016 — October 2016 (4 months)

- Maintained legacy web app with a custom framework
- Moved old Flash player to open-source HTML5 player (Clappr)
- Contributed features and bug fixes to an open-source project (Clappr)

technical skills

• Workflow

vim, tmux or a tiling window manager. Git for syncing.

• Languages

Programming — Go, Typescript, C

Scripting — Python, shell

Markup — HTML, CSS, \LaTeX

• Tools

Infrastructure — Kubernetes, Docker, Terraform

Databases — MongoDB, PostgreSQL

Multimedia — FFmpeg

- **Networking**

HTTP, gRPC, WebSockets, MPTCP

general skills

Languages — English (fluent), Russian (native)