

# Nicholas Asimov

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## summary

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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

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### • Senior Software Engineer at Malwarebytes

June 2021 — Present (1 year 4 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

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### • Workflow

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

### • Languages

**Programming** — Go, Typescript, C

**Scripting** — Python, shell

**Markup** — HTML, CSS,  $\text{\LaTeX}$

### • Tools

**Infrastructure** — Kubernetes, Docker, Terraform

**Databases** — MongoDB, PostgreSQL

**Multimedia** — FFmpeg

### • Networking

HTTP, gRPC, WebSockets, MPTCP

## general skills

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**Languages** — English (fluent), Russian (native)