Anar D.
Senior Go Software Engineer / Team Lead

SUMMARY

- Back-end Software Engineer with 12+ years in the IT industry as a back-end engineer - Excellent knowledge of different databases and a good level of understanding of complex systems with lots of dependencies. - 5+ years of recent commercial experience with Go - Has experience with leading the team of up to 30 engineers, - Experience mentoring on Codementor, StackOverflow, and teaching - Upper-Intermediate English

TECHNICAL SKILLS

Main Technical Skills	Go, PHP
Programming Languages	Dart, Go, JavaScript, PHP, Ruby, Rust
Rust Libraries and Tools	Actix Sentry
JavaScript Frameworks	Express, NestJS, Node.js
Go Frameworks	Gin
Go Libraries and Tools	Gin
JavaScript Libraries and Tools	Hapi.js
PHP Frameworks	Laravel, Slim
PHP Libraries and Tools	Phalcon
Data Analysis and Visualization Technologies	GeoJSON
Databases & Management Systems / ORM	Aerospike, ArangoDB, AWS ElasticSearch, Couchbase, CouchDB, MongoDB, MySQL, PostGIS, PostgreSQL, Redis, RethinkDB
Cloud Platforms, Services & Computing	GCP
Amazon Web Services	AWS ElasticSearch, AWS S3, AWS SNS, AWS SQS
Platforms	Aerospike
Methodologies, Paradigms and Patterns	Agile, Scrum
Collaboration, Task & Issue Tracking	Asana, Atlassian Trello, Jira
	Docker, Docker Swarm, Kubernetes

Virtualization, Containers and Orchestration	
Deployment, CI/CD & Administration	GitLab CI
Message/Queue/Task Brokers	Kafka, NATS, RabbitMQ, Redis MQ
Web/App Servers, Middleware	Nginx
Mail / Network Protocols / Data transfer	SMPP
Other Technical Skills	CloudBuild CI/CD, GKE XMPP, MinioFS, Mux

EXPERIENCE

Go Software Engineer

3 months

Description: SaaS for cloud-based network management. External services integration module.

Responsibilities: Develop and support external services connectivity and data proxying. The idea is to connect to Kafka, listen for topics, and do connectivity tests and/or proxying requests to services like Slack, MS Teams, Webhooks, Freshdesk (https://www.freshworks.com/freshdesk/) , ConnectWise (connectwise.com), AutoTask (autotask.net). For proxying, we used the Egress service, which provided GRPC API.

Project Team Size: 8

Tools & Technologies: GoLang, Fx (by Uber), Zap (by Uber), Kafka, GRPC Protobuf, Docker, K8s, Skaffold

Go Software Engineer

7 months

Description: Cybersecurity risk impact quantification, calculation platform.

Responsibilities: Backend functionality development, making risk calculation engine API, integrating with AWS Cognito

Project Team Size: 10

Tools & Technologies: Elixir, Phoenix, PostgreSQL, ReactJS, Kubernetes, Docker, GCP, AWS

Go Software Engineer, AzParking

7 months

Description: Parking management and automation system in Azerbaijan https://azparking.az

Responsibilities: Implementation of ANPR (automatic number plate recognition) and payment APM Integration to CRM.

Project Team Size: 15

Tools & Technologies: GoLang, HikVision ISAPI, MongoDB

Go Software Engineer, NaviMax

10 months

Description: Vehicle fleet tracking SaaS http://navimax.net/aboutus

Responsibilities: Development of serverside parts of various (different) tracking devices (Ruptella, SinoTrack and etc.) using GPS protocols. Delivering vehicle location, engine status, alarms to CRM.

Project Team Size: 20

Tools & Technologies: NodeJS, GoLang, MongoDB, TK103, H02, GT06, Ruptella, MQTT

Go Software Engineer

02.2021 - 09.2022 (18 months)

Description: ORTB platform

Responsibilities:

- Software development of ORTB platform
- Supporting high-load parts of the system which use ORTB protocol over HTTP written in
- NodeJS
- Supporting high-load parts of the system which use custom TCP protocol written in GO
- Extending management panel written using PHP + Laravel

Tools & Technologies: Golang, NodeJS, PHP, MySQL, Big Query, GCF

Backend Team Leader / Solution Architect, Bussr

09.2020 – 01.2021 (14 months)

Description: Bussr - Indonesia's largest intercity bus network (application for rent buses).

Development backend microservices for mobile apps:

1. Bussr Passenger (https://play.google.com/store/apps/details?id=com.bussr.passenger)
2. Bussr Driver (https://play.google.com/store/apps/details?id=com.bussr.driver)

Responsibilities: Was responsible for rewriting the backend in the monolithic HapiJS app to microservices using GoLang by Event Driven Design (NATS Streaming as Service Bus) where NodeJS workers were handling events for processing.

DevOps – part-time until the company found a new one.

Project Team Size: 4 developers

Tools & Technologies: GoLang, Gin-gonic, NATS Streaming, NodeJS, HapiJS, ReactJS, ReactNative, MongoDB, PostgreSQL, Docker, Kubernetes, GKE, GCP, Google Cloudbuild, GitHub Actions, Management using: Atlassian JIRA

CTO, Engineering Leader

2014 - 2022

Description: SMLS (School Management & Learning System) project dedicated to making education and school management process fully computerized

Responsibilities: Developing from scratch

Project Team Size: 2 developers

Tools & Technologies: PHP (+Phalcon framework), NodeJS (+ExpressJS, SailsJS frameworks), JavaScript (+ jquery, AngularJS), MySQL, Redis, Memcache, HTML, CSS (+Bootstrap framework) Nginx, HAProxy GIT

Team Leader, M.M.D. Smart LLC

12 months

Description: Development of consumer Apps:

1. BizWhiz (https://play.google.com/store/apps/details?id=com.mmdsmart.bizwhiz, https:// apps.apple.com/us/app/bizwhiz/id1472721850) SMS broadcasting app for business owners
2. MessageWhiz Shopify App SMS broadcasting and automatization app for e-commerce owners

Responsibilities:

- The team leader of the development process
- Code review
- Sometimes worked as DevOps

Project Team Size: 5 developers

Tools & Technologies: NodeJS, ExpressJS, ReactJS, ReactNative, MongoDB, Docker, Kubernetes, GitLab CI, Management using: Atlassian JIRA

Backend Team Leader / Solution Architect, Site Plus

19 months

Description: Site Plus - site builder system

Responsibilities:

- Led backend team of 6 developers (after 20 devs)
- Re-developed architecture from monolithic to microservices.
- Development, support, documenting backend architecture

Project Team Size: 20 developers

Tools & Technologies: NodeJS, ExpressJS, ReactJS, **GoLang**, MongoDB, CouchBase, RethinkDB, ClickHouse, Minio (S3), Sentry, Docker, GitLab CI, Management using: Atlassian JIRA

Software Engineer, Circadian Risk

6 months

Description: “Circadian Risk” - risk, deficiency, quality reporting system for building companies

Responsibilities: Development, support, and documenting backend architecture. Worked alone on backend part and communicated with mobile app dev (React Native)

Project Team Size: 2 developers

Tools & Technologies: NodeJS, ExpressJS, MongoDB, CouchDB, Management: Trello

Software Engineer, Carts Guru

6 months

Description: Carts Guru - abandoned cart system for E-Commerce projects, developed to recover profit from carts (baskets) that were left (unpaid, forgotten and etc) due to issues.

Responsibilities:

- Development and support of “Carts Guru” as NodeJS developer.
- Worked as “Integration Guy” between e-commerce engines (WooCommerce, Prestashop, Magento) and projects (Shopify)

Project Team Size: 4 developers

Tools & Technologies: NodeJS, ExpressJS, AngularJS (v.1.x.x), CouchBase, ElasticSearch, PHP (for integration plugins for E-Commerce engines like: WooCommerce, Prestashop, Magento)

Lead developer

10 months

Description: entertainment portal

Responsibilities:

- Video.az, wrote image delivery service using NodeJS to dynamically remove the load from video storage and streaming servers that were also storing and delivering images
- Nargismagazine.az, development and support
- Buro247.az, development and support

Project Team Size: 10 developers

Tools & Technologies: PHP (including Laravel, Phalcon, Slim frameworks), NodeJS, Bash, MySQL, redis, memcached, JavaScript (+ jquery, socket.io, mustache), Sphinx SE

EDUCTION

Baku – Azerbaijan Technical University, Faculty: Radiotechnics and Communication

(Security of communication networks) – Bachelor

2005-2009

Baku – Azerbaijan Technical University, Faculty: Radiotechnics and Communication

(Information routing) – Master

2010-2012