

CV (Soslan Aldatov)

Contacts

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About me

Hi! I'm a backend software engineer (mainly Node.js for the last nine years, also Python and Golang from time to time) with about fourteen years of experience.

I'm good at architectural design and improvement – I've completed a lot of tasks related to designing app architecture from scratch or to the adaptation of the application architecture to new conditions (this, for example, is a significant increase in the workload or the number of developers in the project).

Also, I've worked a lot with high-load apps development – profiling, fixing bottlenecks, and speeding apps up.

I've done a lot of logging-related tasks as well– collecting and analyzing logs, statistics, telemetry, etc. to speed up any debugging and to be able to predict any required changes based on collected data.

I've also worked a lot on infrastructure-related stuff – CI/CD, adding orchestration (like Kubernetes) to the project, and configuring infrastructure management by using Infrastructure as Code tools like Terraform or Helm.

So, if you need an experienced developer who can build your backend apps from scratch and make sure it's scalable and easily extendable in the future – or speed up, improve, and fix any issues of the existing app – then it seems like I'm a great fit.

I can work solely or in a team, and I have experience working in both ways. I'm very responsible and good at managing and planning my working time, I work proactively and with particular attention to application requirements and quality.

And here's a short list of things I know and meet often in my work:

- backend development: JavaScript (Node.js), Python, Golang, PHP
- frameworks: Node.js – Express, Fastify, AdonisJS, Nest.js, Python – FastAPI, Golang - Gin

- databases: Postgres, MySQL, MongoDB, Redis
- ELK stack (Elasticsearch, Logstash, Filebeat, Kibana, Grafana, etc.)
- Prometheus
- message queues: RabbitMQ, AWS SQS, Redis
- VoIP: Asterisk, FreeSWITCH, Kamailio/OpenSIPs, Drachtio, WebRTC
- Amazon AWS, GCP
- Docker, Kubernetes
- Ansible, Chef
- Linux
- CI/CD stuff

Work experience

Senior Software Engineer

Profi, Inc – Delaware, US (remote), 2021-2023

Stack

- Node.js v12 (upgraded to v16), Express, TypeScript
- PostgreSQL, Redis (for caching and as a message broker)
- WebSocket, [Socket.io](#)
- AWS, Terraform

Responsibilities and Achievements

- actively participated in NodeJS and package upgrade
- actively participated in moving the project to TypeScript
- integrated Redis as a message broker
- added all tooling for unit/integration testing, update CI pipelines to include tests running, provide development teams with a document about how we should write tests to make sure we're all on the same page
- actively participated in fixing bugs, adding features and helping newcomers.

Tech Lead

Livius – Mascot, Australia (remote), 2018-2021

Stack

- Node.js, TypeScript, Express, NestJS
- MongoDB, Redis
- RabbitMQ
- ELK, Prometheus

- GCP, Kubernetes (GKE), Helm

Responsibilities and Achievements

- led backend team of 5 people
- moved monolithic project to (micro) services-oriented architecture to be able to scale services independently based on service load
- moved project to Kubernetes (GKE on Google Cloud Platform) to be able to take full advantage of service-oriented architecture, to store our infrastructure as a code (Helm) and to deploy all the parts of project easily and without downtime
- improve logging from our services and collecting telemetry from hardware devices by adding ELK and Prometheus to our infrastructure

Senior Software Engineer

iConnectel Telecom Ltd., London, UK (remote), 2014-2018

Stack

- Node.js, TypeScript, Python (just on one third-party API)
- PostgreSQL, AWS DynamoDB (for lots of unstructured calls-related realtime data)
- RabbitMQ
- ELK, Prometheus
- VoIP and videoconferencing-related stuff: Asterisk, Kamailio, Janus

Responsibilities and Achievements

- designed architecture for the project from scratch (it was totally new)
- designed and created infrastructure for the project (it was based on AWS CloudFormation to store our infrastructure as a code and to simplify our deploy, we used built-in load balancers to scale our web-related parts and a bunch of EC2 instances to have VoIP-related stuff there)
- built a lot of communication services (audio/videoconferencing with customisable call scenarios, billing and a bunch of other stuff) based on Asterisk (we've used ARI to integrate our services with Asterisk) and Janus (as a WebRTC server)
- configured a SIP trunk management based on Kamailio cluster with thousands of trunks, a lot of healthchecks and monitoring stuff, using trunks based on least-cost routing strategy
- developed a lot of mocks of video/audio-related infrastructure to be able to write tests
- actively participated in writing documentation and building a team once we're almost in production

Software Engineer

Picasel Agency, Moscow, 2013-2014

Stack

- Python, Django, Tornado
- Postgres, Redis, MongoDB
- Ansible, Docker Swarm

Responsibilities and Achievements

- optimized deployment process on many projects with Ansible and Docker Swarm
- the main part of my work was APIs development with Python, Django (Django DRF), Tornado

Software Engineer (Freelance)

freelance (remote), 2009-2013

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