CV (Soslan Aldatov)

Contacts

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About me

Hello! With a robust fourteen-year background in software engineering, I specialize in VoIP solutions, primarily leveraging Node.js for the past nine years. Over the course of my career, I've developed a deep expertise in platforms like Asterisk, FreeSWITCH, Kamailio, OpenSIPs, Drachtio, and various custom projects.

My key expertise:

- **Backend Development**: Node.js, Python, Golang. I've also worked with PHP for a few years.
- **Databases**: Postgres, MySQL, MongoDB, Redis.
- **Message Queues**: RabbitMQ, AWS SQS, Redis
- **Infrastructure & Monitoring**: ELK stack (Elasticsearch, Logstash, Kibana, Grafana), Prometheus.
- **VoIP Technologies**: SIP protocol, Asterisk, FreeSWITCH, Kamailio/OpenSIPs, Drachtio, WebRTC.
- **Cloud Platforms**: AWS, GCP.
- **DevOps Tools**: Docker, Kubernetes, Ansible, Chef, Linux, CI/CD practices.

I pride myself on delivering scalable and efficient solutions tailored to clients' unique requirements. Let's collaborate and turn your vision into reality!

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 Telcom 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 heathchecks 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