Mykhaiλo Nedokushev

Software engineer

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Summary

- Overall 12 years of working experience.
- Interested in math, computer science, and functional programming.
- I like challenging tasks in non-trivial business domains.

Buzzwords

Scala, Haskell, Python, Perl, Java, JavaScript, C,
MySQL, PostreSQL, CouchDB, ElasticSearch, Redis,
Kafka, RabbitMQ,
Grafana, Prometheus, Docker, K8S,
Google Cloud

Professional Experience

Company: Tranzzo/Evo
Duration: June 2019 - July 2021 (2 years)
Role: Lead Scala developer

Responsibilities:
I joined to the team at the early stage as a Team/Tech lead. We had 4 scala developers at that moment. Our mission was to adopt to the needs of all major products of Evo an already existing payment system developed by vendor company Tranzzo.
I had the following goals as a team leader:
- gain the knowledge about the vendor's payment systems and share it with the team
- build a strong team by hiring the best Scala developers
- guide and improve the technical stack
The project consists of over 40 microservices all written in Scala and connected via HTTP and async messaging. I was involved in development of the most services to embrace every detail of the project. But most of the time I've spent working on billing that was the most wanted and missing piece for the business.
I leaved the company when we successfully migrated all microservices and data to our Google Cloud, with working billing in production, and had 9 people in our Scala team.

Technologies:
Scala, Play framework, Akka (streams, persistence, cluster), Cats (core, effect, mtl), ZIO, slick, doobie, tapir, http4s, distage, PostgreSQL, ElasticSearch, Timescale DB, Kafka, RabbitMQ, Redis, k8s, Google Cloud, Grafana, Prometheus, Temporal

Company: Megogo
Duration: November 2016 - June 2019 (2,5 years)
Role: Scala developer

Responsibilities:
IT department of the company was divided into 5 teams: core, web, mobile, smart TV, CDN. I was a member of a web team that was responsible for the development of a part of microservices written in Scala. The biggest and most complicated of them is so called "CMS" (aka content management system), the main purpose of which is to serve the main web portal of the company. Due to the fact that the system allows you to flexibly customize pages with various kinds of content, it is also widely used in other products of the company, such as: SmartTV, mobile, and websites specially designed for our partners (MTS, Kyivstar, etc).
I've spent about a year developing a backend of the comany's most high-loaded service which is used to embed Megogo in other sites all across the Internet.
After more than two years spent in the company I was appointed as a team leader of our team (~10 people). I believe that the main responsibility in this position is building a team in which each member can perform work of any complexity. It implies the good knowledge of the "product". That means that I have to share my knowledge with already working people and newcomers through writing documentation and conducting training in various forms.

Technologies:
Scala, Play framework, Akka Streams, CouchDB, MySQL, Grafana, Prometheus

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Company: GlobalLogic
Duration: June 2013 - June 2016 (3 years)
Role: Perl developer

Responsibilities:
Process automation, development and maintenance of internal services (Continious Integration Delivery, artifacts repositories), and dev tools which are broadly used by developers, and QA teams across the company.

Technologies:
Perl, Bash, ECommander API, AccuRev, Git, Nexus Sonatype, CouchDB, Java/GWT, Ant, Maven, Gradle

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Company: Tadatuta dev group (remotely)
Duration: April 2012 - May 2013 (1 year)
Role: Fontend/Backend Web developer, Android developer

Responsibilities:
I've spent some time working closely with a great amount of other web-developers in a distributed team. Each of us has worked on several projects simultaneously. We had different kinds of customers: small and medium size businesses, governments, organizations of civil initiative. The most challenging projects in which I've participated during my work in the company:
1. Bunch of websites that were just a small part of a much bigger government project (Russian E-government project), they were entirely written in Oracle PL/SQL with a team of professional DBAs in the core.
2. Jewerly catalog website with a sofisticated admin panel which allows easily to build a catalog of items using drag&drop and some other standard UI/UX methods. Items consist of media (image, video, 360° animation) and various GUI elements entirely configurable by user. Both client and admin parts were implemented as SPAs (single page applications) and were able to work and look correctly in a big number of browsers and some mobile devices (IPad 2/3, IPhones).
Also, I was involved in a development of Android applications.

Technologies:
PHP, Python, Java, Android SDK, Phonegap, JQuery, Backbone.js, HTML5, Oracle PL/SQL.

Company: Siprok.ru (remotely)
Duration: July 2011 - February 2012 (8 months)
Role: JavaScript developer

Responsibilities:
I was working in a pair with a backend developer. Our application was a SPA with RESTful API on the backend written in python. The goal was to develop a map/geolocation based service with a rich UI/UX experience for all sorts of customers. The customers should be able to be in touch (in real-time) with their business units (moving real world objects like: cars, ships, etc). Our platform had to support flexible creating and editing of different types of units, and be able to gather and monitor an information from sensors direclty installed on these units.

Technologies:
JavaScript, Python, JQuery, Backbone.js, OpenLayers, Google Maps, HTML, CSS.

Company: CIN Online LTD (3 years)
Duration: June 2009 - May 2012
Role: Developer, Network administrator

Responsibilities:
I was the only person who was responsible for the entire IT infrastructure in the ISP company (1000+ customers). Development of web sites, and internal services which where actively used by our customers and employees. Develop and maintain new modules for a billing system written in Perl. Administrate a network based on *Nix

servers (http, ftp, torrent, dns, email, iptv, webcams, bgp, billing, firewall, etc) and L2/L3 switches.