KOSTIANTYN BAIDUSH

Senior Full-Stack Engineer [Python, Node, PHP, GO, AWS, GCP, AI]

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SUMMARY

- Extensive use of modern TypeScript-based backend development for RESTful API. Strong PHP and Python experience
- In-depth knowledge of cloud platforms such as AWS and GCP. Proficiency in designing micro-services.
- Significant experience with JS frontend frameworks, including Angular, React, Vue
- Strong backend framework expertise in **FastAPI, Flask, Django, Nest JS, Express**
- Diverse project experience spanning Broadcasting, I-Gaming, Real-time mobile apps, E-commerce, and Social media web apps
- Extensive expertise in backend development, complemented by a deep understanding of web and mobile frontend technologies
- I have deep and diverse experience with various cloud systems, programming languages, and architectures. I have a strong understanding of which architecture is most effective and optimal for different projects, ensuring efficient task execution and handling of large-scale loads.
- I have experience in designing **event-driven architectures** with **microservices** or **serverless infrastructure**. My expertise includes developing new functionality, configuring, and setting up infrastructure for the rapid deployment of **microservices capable of processing hundreds of thousands of requests per second**, as well as implementing **monitoring systems** and **analytics data collection**.
- Additionally, I have experience in **big data migration** between different **relational and NoSQL databases**, as well as **data bus-based streaming queue systems**. I have also worked on developing **distributed system functionality** and **real-time platforms**.
- Furthermore, I have **two years of experience working with 3rd-party AI platform integrations**, including **LLM request automation**, **objective generation based on user queries**, **workflow optimization systems**, and **ChatGPT API integration**

SKILLS

Node JS   React JS   Nest JS   Angular JS   Express JS   TypeORM   Mongoose   FastAPI   Flask   Django   PostgreSQL

MySQL   MongoDB   Firebase   Redis   DynamoDB   GraphQL   ElasticSearch   BigQuery   Cloud SQL   RabbitMQ   Kinesis

WebSockets   AWS   GCP   Vagrant   Docker   Kubernetes   Serverless   Micro-services   GIT   Artificial Intelligence

EXPERIENCE

12/2023 - 02/2025
Los Angeles (onsite)

Senior Backend Engineer { Node, React, Python, AWS, Mongo, Serverless }
involve.ai
- ChatGPT API integration. CI/CD pipeline, Restful API, FastAPI, ReactJS and AWS cloud infrastructure, startup culture
- Lead, designed and developed the creation of lead generation software that allowed a 75% improvement in sales
- Reduced bug resolution time by 50% by implementing a continuous integration pipeline and automated testing.

04/2021 - 05/2023
New York (contract)

Lead Full-Stack Engineer { Angular, Express, Nest, AWS, Mongo, Monolith }
Twizted Design - VideoFlow - videoflow.io
- Designed, architected and implemented 2nd version of the platform VideoFlow. Led the development of scalable REST API, conducting JEST e2e tests, DEV-OPS and a CI/CD pipeline using GitHub Actions. AngularJS based frontend and extensive TypeScript refactoring.
- Improved application deployment speed by 30%, resulting in a 15% increase in team productivity.

09/2020 - 04/2021
Stockholm (contract)

Senior Backend Engineer { React Native, Python, Flask, Nest, GCP, Firebase, BigQuery }
Addressya AB
- Express JS REST API, Firebase serverless architecture, 3rd party integrations, risk management, modern stack presentations
- Development of an API using Flask framework and cloud functions for collecting analytics data in BigQuery

11/2019 - 07/2020
London (contract)

Lead Full-Stack Engineer { Node, Nest, React, GCP, PostgreSQL, Microservices }
Betinvest Ltd
- Manage project resources, led a team of 6 personnel & adhered to safety standards
- Made key architectural decisions and delivered a high priority project in ~35% less of estimated time by utilizing NestJS and ReactJS
- Development of a high-load multi-tenant platform capable of deploying Sportsbook interface functionality for customers in minutes

12/2018 - 11/2019
Tel-Aviv (contract)

Senior Backend Engineer { Node, Express, GCP, Firebase, AWS, BigQuery }
Noisy Miner
- Achieved ~99% project data migration by developing NodeJS REST API and migrating from legacy Realtime DB to Firestore
- Reduced operational costs by $500k annually through efficient backend systems optimizations.
- Handled data processing for over 80000 user profiles using BigQuery and Firebase technology.
- Increased processing speed by 25% by revamping legacy code and optimizing database queries.

10/2017 - 09/2018
San Francisco (contract)

Lead Full-Stack Engineer { Node, PHP, Go, Angular, GCP, MySQL, Microservices }
BigCommerce
- Popular e-commerce SAAS platform development. Which can host > 60000 clients. On average, a single client receives 15 API requests per second, and in total, BigCommerce allows processing over one million requests per second
- Enhanced system efficiency by ~15% by developing functionality for special components in microservices and Angular based micro-frontends. Increased the productivity of the team by coaching the other 4 teammates, as a team lead

EXPERIENCE

05/2016 - 10/2017

Ontario (contract)

- Senior Full-Stack Engineer { PHP, Python, JS, PostgreSQL, Monolith, Symfony }
  TireConnect
  - Developed and launched TireConnect architecture and Rest API for a fintech platform, serving 100k customers and the 2k dealers
  - Development of multi-tenant functionality in Python for initializing and synchronizing user data across distributed systems

09/2008 - 05/2016

Kyiv, Ukraine (on-site)

- Software Full-Stack Engineer { PHP, JS, Python, MySQL, CMS, Django, Symfony }
  Digital Ventures, Platinum Bank, Otpusk, Software Mackiev
  - Personally designed and implemented of tens extensive web applications from scratch as Full-Stack Engineer

EDUCATION

06/2003 - 07/2008

Kremenchuk, Ukraine

- M.Sc. in Computer Engineering and Networking {Java, C++, ASM, Algorithms, Math}
  Kremenchuk National University

CERTIFICATION

Architecting with Google Kubernetes Engine Specialization

Google Cloud Platform Fundamentals

Speak Up Language School in Kyiv

Generative AI for Software Developers Specialization