

Kostiantyn Baidush

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Location: Los Angeles, CA

Senior Software (NodeJS, Python, PHP) Engineer

Summary

I bring over 15 years of web programming experience with expertise in the following areas:

- In-depth knowledge of cloud platforms such as AWS and GCP
- Extensive use of TypeScript-based backend development, including RESTful API, TypeOrm, FireOrm, Mongoose, and Typegoose
- Proficiency in designing micro-service architecture solutions
- Experience with various JS frontend frameworks, including Angular, React, Vue, and Gatsby
- Backend framework expertise in Nest JS and Express JS, with a notable 4 years of experience specifically with the NEST JS framework
- Diverse project experience spanning broadcasting, I-Gaming, real-time mobile apps, e-commerce, and social media
- Leadership experience in managing a scrum team as a lead and mentoring developers across junior to senior levels
- Specialized expertise in backend development, complemented by a deep understanding of web frontend technologies

Competence

Methodologies:	TDD, BDD, DDD, scrum, agile
Technologies:	Node JS, Nest JS, React JS, Express JS, Bootstrap, Angular JS, Vue JS, Gatsby, TypeORM, FastAPI, Symfony
Languages:	NodeJs, TypeScript, JavaScript, PHP, Python
Databases:	Postgresql, MySQL, MongoDB, Firebase, Redis, DynamoDB, Memcached, Redis, GraphQL, ElasticSearch, BigQuery, Cloud SQL
Tools:	VSC, WebStorm, Postman, Gitlab, GitHub, SourceTree, Git, GitHub, GitLab, Bitbucket, Jira, Trello, RabbitMQ, Kafka, SQS, SNS, Pub/Sub, Kinesis, EventBridge, WebSockets, WebRTC
Clouds and platforms:	AWS, GCP, Heroku, Vagrant, Docker, Kubernetes, Terraform, Lambda, Api Gateway, CloudFront, Fargate, ECS, S3, RDS, SQS, Api Gateway, CloudFront, Cognito, Amplify, Serverless, Micro-frontends, Micro-services, event-driven, event-sourcing, CQRS
Operating Systems:	Mac OS, Linux, Windows

Experience

Apr 2021 - May 2023

Company: Twizted Design (New York, remote)
Position: Senior Node JS Engineer
Subject: My responsibility involved implementing a scalable REST API using TypeScript, conducted JEST e2e tests, and set up basic DEV-OPS and a CI/CD pipeline using GitHub Actions. The project also involved AngularJS frontend development and extensive refactoring from native JavaScript to TypeScript.
Achievements:

- Improved system performance, reduced error rates
- Improved code documentation
- Improved code maintainability, readability, and efficiency with strict types and benefits given by TypeScript
- Improved performance and scalability both of code and cloud instances

Technologies: Node JS, TypeScript, JavaScript, Github actions, AWS, Heroku, Redis, Grafana, Nest JS, Angular JS, MongoDB
Main Project: Videoflow (<https://videoflow.io>)

Sep 2020 - April 2021

Company: Addressya AB (Stockholm, Sweden, remote)
Position: Senior Node JS Engineer

Subject: This is an experience to scale the Node JS based REST API on Firebase serverless architecture, implemented a list of 3rd party integrations, had a risk management responsibilities and typescript integrations for the backend part

Achievements:

- provided a Firestore migration workflow
- provided refactoring workflow
- mentoring and presentations
- research the app algorithms
- sprint planning

Technologies: Node JS, TypeScript, JavaScript, GCP, Firebase, BigQuery, React Native, REST API, Cloud Functions

Main Project: Addressya (mobile app: <https://addressya.com>)

Nov 2019 – July 2020

Company: Betinvest Ltd (Kyiv/London, remote)

Position: Senior Node JS Engineer

Subject: Led the team in making key architectural decisions that significantly contributed to the scalability and maintainability of the CMS platform and back office for casino games. Implemented Node JS based REST API, React JS client interface, TypeScript based backend

Achievements:

- Auto-scalable, RabbitMQ based event-sourcing microservice architecture
- Established and enforced robust coding standards across the development team, fostering a culture of consistency and high-quality code. Conducted regular code reviews to ensure adherence to standards
- Collaborated with cross-functional teams to address complex architectural challenges, fostering an environment of knowledge sharing and problem-solving. Successfully resolved the bottlenecks and all of the specification details

Technologies: Node JS, TypeScript, JavaScript, GitLab, Nest JS, React JS, Rabbit MQ, Web Sockets

Main Project: CMS for sports book, Back office (<https://www.betinvest.com>)

Dec 2018 – Nov 2019

Company: Noisy Miner (Kyiv, on-site)

Position: Senior Node JS Engineer

Subject: This encompasses the development of a Node.js-based REST API using TypeScript and Express.js, adopting a microservice architecture on Google Cloud Platform (GCP) with integration to BigQuery and key-value storages. Comprehensive E2E and unit tests were implemented to ensure thorough coverage.

Achievements:

- Implemented a new version of DB model using TypeScript.
- Provided a BigData migration script to transfer the data from Realtime key-value storage to more extended version of Firebase serverless platform named Firestore
- Escaped bottlenecks with database requests and manage data limitations effectively consider the strategies provided by Firestore key-value storage, new TypeScript based DB queries and web-hooks between Firestore and BigQuery

Technologies: Node JS, TypeScript, Web Sockets, BigQuery, Realtime DB, Firebase, Firestore, FireORM, Web Hooks

Main Project: Clawee <https://clawee.com>

Oct 2017 – Sep 2018

Company: Edvantis (Poland, on-site)

Position: Senior PHP, Node JS Engineer

Main Project: BigCommerce <https://www.bigcommerce.com>

Activity: Full stack engineer as a member of an international team developing an enterprise e-commerce web application.

- Onboarding
- Architecture solutions due to the platform

Technologies: Node JS, PHP, Ruby, Travis, PHPUnit, Angular, Mongo, MySQL, GCP, Microservices, Circle CI, Redis

May 2016 – Oct 2017

Company: TireConnect (Kyiv, on-site)

Position: Senior Software Engineer

Activity: REST and SOAP services

Feb 2014 – Jan 2016

Company: Software Mackiev (Boston/ Kyiv, on-site)

Position: Senior Software Engineer

Activity: PHP application development and architecture

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Apr 2011 – Jan 2014

Company: **Platinum Bank** (*Kyiv, on-site*)
Position: Software Engineer II
Activity: Development of internal CRM

Dec 2010 – Aug 2011

Company: **Otpusk** (*Kyiv, on-site*)
Position: Software Engineer II
Activity: Web-based CRM system and portal has registered and hosted customer data

Sep 2008 – Dec 2010

Company: **Digital Ventures** (*Kyiv, on-site*)
Position: Software Engineer
Activity: The development of a scalable Internet portal

Education

Sep 2007 – Jun 2008

University: **Kremenchuk Mykhailo Ostrohradskyi National University**
Url: www.kdu.edu.ua
Degree: M.Sc. degree in Computer Science (awarded on June 2008)
Diploma Thesis: **Abstract:** The application provides an automation software storage administration as a part of the company environment

Sep 2003 – Jun 2007

University: **Kremenchuk Mykhailo Ostrohradskyi National University**
Degree: B.Sc. degree in Computer Systems and Networking

Certification

Aug 2012 – Jan 2018	Speak Up Language School Kyiv – English, C1 Advanced
Sep 2014 – Dec 2014	JUJA Online Courses – OOP, Design Patterns
Sep 2019 – Oct 2019	Coursera: Google Cloud Platform Fundamentals

Languages

English: C1 Certified, **Polish:** B1, **Ukrainian, Russian:** Native

Interests

Music (drummer), traveling, gym, running

Date: Feb 18, 2024