Kostiantyn Baidush

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Location: Los Angeles, CA

Senior Software Engineer

Summary

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
- Proficiency in designing micro-service architecture solutions
- Experience with JS frontend frameworks, including Angular, React, Vue, Gatsby
- Backend framework expertise in Nest JS, Express, FastAPI, with a notable 4 years of experience specifically with the NEST
- Diverse project experience spanning broadcasting, I-Gaming, real-time mobile apps, e-commerce, and social media
- Specialized expertise in backend development, complemented by a deep understanding of web frontend technologies

Competence

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, 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
Methodologies:	TDD, BDD, DDD, scrum, agile

Experience

Senior Node JS Engineer at Twizted Design   Apr 2021 - May 2023

My responsibility involved implementing a scalable REST API using TypeScript, conducting JEST e2e tests, and setting up 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 performance and scalability, reduced error rates, code documentation, code maintainability, readability and   efficiency with strict types and benefits given by TypeScript
Technologies: *Node JS, TypeScript, JavaScript, Github actions, AWS, Heroku, Redis, Grafana, Nest JS, Angular JS, MongoDB*
Project: https://videoflow.io

Senior Node JS Engineer at Addressya AB   Sep 2020 - April 2021

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, 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*
Project: https://addressya.com

Senior Node JS Engineer at Betinvest Ltd   Nov 2019 – July 2020

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*
Project: https://www.betinvest.com

Senior Node JS Engineer at Noisy Miner   Dec 2018 – Nov 2019
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*
Project: Clawee https://clawee.com

Senior Software Engineer at Edvantis   Oct 2017 – Sep 2018
Subject: Architecture solutions due to the platform
Technologies: Node JS, PHP, Ruby, Trevis, PHPUnit, Angular, Mongo, MySQL, GCP, Microservices, Circle CI, Redis
Project: https://www.bigcommerce.com

Senior Software Engineer at TireConnect   `   May 2016 – Oct 2017
Subject: Architecture solutions due to the platform
Technologies: PHP, Symfony Framework
Project: https://www.tireconnect.ca

Software PHP Engineer at Software Mackiev   Feb 2014 – Jan 2016
Subject: Architecture solutions due to the platform
Technologies: PHP, JavaScript
Project: https://www.mackiev.com

Software PHP Engineer II at Platinum Bank   Apr 2011 – Jan 2014
Subject: Internal CRM. Workflow for restructuring credit debt
Technologies: PHP, JavaScript

Software PHP Engineer II at Otpusk   Dec 2010 – Aug 2011
Subject: Web-based CRM system and portal has registered and hosted customer data
Technologies: PHP, JavaScript, JQuery

Software PHP Engineer at Digital Ventures   Sep 2008 – Dec 2010
Subject: The development of a scalable Internet portal
Technologies: PHP, JavaScript, JQuery

Education

University: **Url:**	**Kremenchuk Mykhailo Ostrohradskyi National University** www.kdu.edu.ua	Sep 2007 – Jun 2008
Degree:	M.Sc. degree in Computer Science	
	Abstract: The application provides an automation software storage administration as a part of the company environment	
University: **Degree:**	**Kremenchuk Mykhailo Ostrohradskyi National University** B.Sc. degree in Computer Systems and Networking	Sep 2003 – Jun 2007

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