Kostiantyn Baidush

Born:	1985 (Ukraine, Kyiv)
Email:	kostiantyn.baidush@gmail.com
Linkedin:	https://www.linkedin.com/in/kostix
GitHub:	https://github.com/baidush
Site:	https://kostix.tech
Location:	**Los Angeles, CA**

Senior Software Engineer
NodeJS, Python, GCP, AWS

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 for RESTful API
- Proficiency in designing micro-service architecture solutions
- Significant experience with JS frontend frameworks, including Angular, React, Vue, Gatsby
- Strong backend framework expertise in Nest JS, Express, FastAPI, Symfony 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 web apps
- Extensive expertise in backend development, complemented by a deep understanding of web and mobile 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, 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: Significant achievements in performance and scalability, readability and efficiency with strict types and benefits given by TypeScript
Stack: 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 - Apr 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
Stack: 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**

Made key architectural decisions that significantly contributed to the scalability and maintainability of the CMS platform and back office in the IGaming industry.
Achievements: Implemented auto-scalable 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
Stack: Node JS, TypeScript, JavaScript, GitLab, Nest JS, React JS, Rabbit MQ, Web Sockets
Project: https://betinvest.com

Senior Node JS Engineer at **Noisy Miner**   **Dec 2018 – Nov 2019**
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
Stack: Node JS, TypeScript, Web Sockets, BigQuery, Realtime DB, Firebase, Firestore, FireORM, Web Hooks
Project: https://clawee.com

Senior Software Engineer at **Edvantis**   Oct 2017 – Sep 2018

Developing functionality for individual components of microservices architecture and Angular based micro frontends
Stack: Node JS, PHP, Ruby, PHPUnit, Angular, Mongo, MySQL, GCP, Microservices, Circle CI, Redis
Project: https://www.bigcommerce.com

Senior Software Engineer at **TireConnect**   `   May 2016 – Oct 2017

Architecture solutions due to the fintech platform
Stack: PHP, MySQL, Symfony, JavaScript, JQuery
Project: https://www.tireconnect.ca

Software PHP Engineer at **Software Mackiev**   Feb 2014 – Jan 2016

Architecture solutions due to the e-learning platform
Stack: PHP, JavaScript, MySQL, JQuery
Project: https://www.mackiev.com

Software PHP Engineer II at **Platinum Bank**   Apr 2011 – Jan 2014

Internal CRM development and support. Workflow for restructuring credit debts
Stack: PHP, JavaScript, MySQL, JQuery

Software PHP Engineer II at **Otpusk**   Dec 2010 – Aug 2011

Web-based CRM system and portal
Stack: PHP, JavaScript, JQuery, MySQL

Software PHP Engineer at **Digital Ventures**   Sep 2008 – Dec 2010

The development of a scalable Internet portal
Stack: PHP, JavaScript, MySQL, JQuery

Education

University:	**Kremenchuk Mykhailo Ostrohradskyi National University**	Sep 2007 – Jun 2008
Url:	www.kdu.edu.ua	
Degree:	M.Sc. degree in Computer Science	
	Thesis: The application provides an automation software storage administration as a part of the company environment	
University:	**Kremenchuk Mykhailo Ostrohradskyi National University**	Sep 2003 – Jun 2007
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 (Youtube), traveling, gym, running

Date: Feb 24, 2024