

Roman Varkhola

Senior Full Stack Web Developer

SUMMARY

Full Stack Web Developer with 8 years of experience specializing in web technologies and scalable microservices architectures. Expertise in RESTful APIs, GraphQL, front-end and back-end frameworks, and cloud infrastructures, particularly with AWS services. Profound knowledge of programming languages including JavaScript, TypeScript, PHP, Ruby, and SQL. Proven track record in handling low to medium complexity projects throughout the full software development lifecycle. Technical skills encompass working with diverse databases, implementing CI/CD with AWS tools and Jenkins, containerization with Docker, and blockchain technologies like Web3 and smart contracts. Holds a Master's Degree in Applied Mathematics and Informatics, reflecting a solid engineering background.

TECHNICAL SKILLS

Main Technical Skills	JavaScript (8 yr.), TypeScript (8 yr.), PHP (2 yr.), Ruby (2 yr.), SQL (8 yr.)
Programming Languages	JavaScript (8 yr.), PHP (2 yr.), Ruby (2 yr.), TypeScript (8 yr.)
JavaScript Frameworks	Ext JS, NestJS, React
Databases & Management Systems / ORM	AWS DynamoDB, AWS ElasticSearch, MongoDB, MySQL, PostgreSQL, Redis, SQL (8 yr.)
Amazon Web Services	AWS API Gateway, AWS AppSync, AWS Codebuild, AWS CodePipeline, AWS Cognito, AWS DynamoDB, AWS EC2, AWS ElasticSearch, AWS Lambda, AWS S3, AWS SES, AWS SNS, AWS SQS
Collaboration, Task & Issue Tracking	Atlassian Confluence, Jira
SDK / API and Integrations	AWS API Gateway, Stripe
Deployment, CI/CD & Administration	AWS Codebuild, CD DevOps pipelines, Jenkins
Version Control	BitBucket
Third Party Tools / IDEs / SDK / Services	ClickUp
Virtualization, Containers and Orchestration	Docker
QA, Test Automation, Security	Jest, Mocha

BlockChain and Decentralized Software	Smart Contract, Web3
Mail / Network Protocols / Data transfer	WebSockets
Other Technical Skills	Angular 2, CodeCommit

ZELH.TECH | Full Stack Web Developer (October 2018 - Present)

Project description: Cryptocurrency exchange platform.

Responsibilities:

- Architected and implemented a highly scalable service using Node.js
- Installed blockchain nodes on server (bitcoin, monero, karbo)
- Worked with web3.js library
- Implemented scheduled jobs to automate recurring tasks and optimize system performance
- Migrated from Node.js (koa) to AWS Serverless (Api Gateway, Lambda, Cognito)
- Developed user interface for web application using Angular 2.0
- Collaborated with web designers to improve usability
- Implemented import/export functionality for CSV files
- Written documentation (Swagger)
- Supported this application

Tools and technologies used: Node.js (koa), AWS (Serverless, Cognito, RDS, Api Gateway, Lambda,

CloudWatch, CloudFormation), Web3, Websockets, Angular 2.0.

Project description: A web application related to the logistics industry, where users can purchase warehouses.

Responsibilities:

- Architected and implemented a highly scalable service using AWS AppSync (GraphQL)
- Created documentation (Swagger)
- Integrated backend with frontend part

Tools and technologies used: AWS (AppSync, Cognito, SNS, Lambda), PostgreSQL, Next.js, Stripe

Project description: AI Assistant, voice assistant related with logistics industry.

Responsibilities:

- Architected and implemented a highly scalable service using Nest.js



- Created documentation (Swagger)
- Integrated API services to application
- Built database architecture
- Researched new models of ChatGPT

Tools and technologies used: Nest.js, Angular 2.0, PostgreSQL, AWS (Cognito, DynamoDB, Lambda),

Websockets, OpenAI

LANGUAGES

English - Upper-intermediate

Ukrainian - Native

EDUCATION

Lviv Ivan Franko National University in a faculty of Applied Mathematics and Informatics,
Bachelor's Degree (2012

- 2016)

Lviv Ivan Franko National University in a faculty of Applied Mathematics and Informatics,
Master's Degree (2016

- 2018)

