

Andrii Zilnyk

JavaScript/TypeScript NodeJS Software Engineer

Current Location: Lviv (Ukraine)

Summary

- 7+ years of professional experience in Web Development using NodeJS(JavaScript/TypeScript)
- Experience in development REST API, GraphQL, Microservices
- Best Design principles, GOF patterns, SOLID
- Familiar with React, Angular, Vue, React Native frameworks
- AWS, Azure Cloud Services
- Strong problem solving capabilities, mathematical background
- Expertise highlights:
 - Web application development
 - Client-server application development
 - Microservices development
 - Third-party system integrations

Education:

Separated structural unit - College of telecommunications and computer technologies of National University "Lviv Polytechnic". Logos IT-Academy.

Work Experience:

Senior NodeJS Software Engineer at **HoneyComb** (Aug 2024)

Senior NodeJS Software Engineer at **Intellias** (Oct 2022)

NodeJS Software Engineer at **ELEKS** (Feb 2022 - Oct 2022)

NodeJS Software Engineer at **Ciklum** (Oct 2021 - Feb 2022)

NodeJS Mentor & Coatch at **GoIT** (Oct 2020)

NodeJS Software Engineer at **DataArt** (Now 2020 - Oct 2021)

NodeJS Software Engineer at **Viseven** (Apr 2020 - Nov 2020)

NodeJS Software Engineer at **AWWCOR** Inc (Dec 2018 - Mar 2020)

NodeJS Software Engineer at **Freelance** (Jun 2017 - Now 2018)

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Github: <https://github.com/AndriiZil>

*** **Auth Module for multitenant architecture:**

Client: USA

Description: Application for managing different tenants & users for them.

Platform/Cloud: AWS EKS, Docker

Languages: TypeScript (NodeJS, NestJS)

Position: Senior Full Stack React/NodeJS Developer + DevOps

Responsibilities: Split monolithic application into microservices, Database Architecture and Design, AWS Cognito User Pool, Cognito Identity Pool, User management (Auth Module). Configure Google & Azure SSO(SAML/OIDC) login.

Technologies: NestJS/Express, TypeScript, PostgreSQL, Docker, Docker Compose, Bitbucket, AWS ECR, AWS Lambda, AWS Cognito, AWS API Gateway, AWS DynamoDB, AWS RDS (PostgreSQL), AWS S3, Terraform.

Duration period: 10 month

*** **Navigation Route Planning Service:**

Client: Germany/USA

Description: Application allows to create and plan multiple routes on mobile and tablet devices.

Platform/Cloud: Dedicated Linux Server, AWS EKS, Docker

Languages: TypeScript (NodeJS, NestJS)

Position: Senior Full Stack React/NodeJS Developer

Responsibilities: Develop service from scratch, configure CI/CD (GitLab), Database Architecture and Design, AWS Cognito User management (Auth Module). Configure Google & Azure SSO(SAML/OIDC) login.

Technologies: NestJS/Express, TypeScript, PostgreSQL, Docker, Docker Compose, Gitlab, AWS ECR, AWS Lambda, AWS Cognito, AWS API Gateway, AWS DynamoDB, AWS RDS (PostgreSQL), AWS S3, Terraform.

Duration period: 16 month

*** **Service for collecting data from IoT devices:**

Client: USA

Description: Microservices which designed for getting information from IOT devices in order to store and structure this data to the admin panel.

Platform/Cloud: MacOS, Azure

Languages: JavaScript (NodeJS)

Position: Senior NodeJS Developer

Responsibilities: Design and develop micro services from scratch and support existing ones.

Technologies: Azure, Azure CosmosDB (MongoDB engine), Azure Function App, Azure Data Explorer.

Duration period: 10 month

***** Printer Labelling Service:**

Client: UK

Description: Application which is responsible for printing labels for specific printer

Platform/Cloud: Ubuntu Linux, Windows, Google Cloud Platform

Languages: JavaScript (NodeJS), TypeScript, Bash

Position: NodeJS Software Engineer

Responsibilities: Redesign old app with new API using Electron framework and NodeJS, creating installation packages. REST API, bash, CI/CD configuration.

Technologies: Electron, Express, bash scripts.

Duration period: 9 month

***** Collect commercial data from internet shops:**

Client: Israel

Description: The purpose of application is parsing information from websites and write some data into tables. Information analytics.

Platform/Cloud: Ubuntu Linux

Languages: JavaScript (NodeJS)

Position: NodeJS Software Engineer

Responsibilities: Develop application from scratch, REST API, AWS Lambda, Unit tests

Technologies: AWS Lambda, PostgreSQL, Serverless

Duration period: 5 month

***** Medical Presentation Product:**

Client: Ukraine/Germany

Description: The application is aimed from the world market. The main customers are from Europe. Product consists of more than 100 microservices (backend + frontend + API Gateway). Platform certain functions to create web content for presentations

Platform/Cloud: Docker, Linux

Languages: JavaScript (NodeJS, Vue)

Position: NodeJS Software Engineer

Responsibilities: FullStack Software Engineer

Technologies: VueJS, NodeJS, Express, Casandra DB, MongoDB, Docker

Duration period: 8 month

*** **Banking Startup:**

Client: USA, GB

Description: B2B application that allows users to create their own accounts within the bank with possibility to issue cards, get loan from the bank, manage personal account. Microservice architecture (about 100 micro services)

Platform/Cloud: AWS

Languages: TypeScript (NodeJS)

Position: NodeJS Software Engineer

Responsibilities: Develop from scratch microservices using AWS Lambda functions and SQS communication. CI/CD configuration, Terraform, 100% unit tests coverage

Technologies: NodeJS, TypeScript, AWS Lambda, Serverless, Terraform, SQS, DynamoDB, Redis (ElastiCache)

Duration period: 12 month

*** **Medical application Product for collecting humans research:**

Client: USA

Description: The development of the system designed for storage and transmission of the clinical data based on the medical research. The system is build on the event driven architecture which consists of 11 large REST API applications with additional 200+ microservices (AWS Lambda Functions).

Platform/Cloud: AWS

Languages: JavaScript (NodeJS)

Position: NodeJS Software Engineer

Responsibilities: Development of new features, support old code, REST API, creating new AWS Lambda functions, Unit tests + Integration tests.

Technologies: NodeJS, JavaScript, AWS Lambda Function, SQS, SNS, CloudWatch, EC2, Redis (ElastiCache), MySQL

Duration period: 17 month

Skills:

Programming Languages:

JavaScript (ES6-2022), TypeScript, Python(basics), Java(basics), Go (basics), C# (basics)

Development Environments:

JetBrains WebStorm, AWS Console

Technologies & Frameworks:

NodeJS, NestJS, ReactJS, Angular, VueJS, React Native, REST API, Socket, Electron, GraphQL, gRPC, Docker, Docker Compose, Kubernetes, Express, Koa, Fastify, RabbitMQ, Apache Kafka, Serverless, Terraform, CloudFormation, Nginx, BullMQ.

Databases:

PostgreSQL, MySQL, MongoDB, DynamoDB, Redis

Login:

Google SSO, AzureSSO (OIDC/ SAML)

Cloud AWS:

EC2, Lambda, S3, IAM, ELB + ASG, DynamoDB, ElastiCache, VPC, API Gateway, CodeCommit, CloudFormation, CloudWatch, SQS, SNS, ECR, ECS, Kinesis, Cognito, Terraform

Cloud Azure:

Azure Cosmos DB (MongoDB Engine), Function App, Azure Data Explorer, Azure GraphAPI.

NPM:

ajv, jwt, axios, jsdoc, swagger 3.0, suquelize, typeorm, moment, dayjs, socket.io, mongoose, bcryptjs, pm2, winston, multer, nodemailer, helmet, morgan, jest, chai, mocha, sinon etc...

Version Control System:

Github, Gitlab

Special Activities:

Mentor and Coach at GoIT (NodeJS Technology)

Udemy Certificates:

1. NodeJS Cluster with PM2, RabbitMQ, Redis and Nginx (April 2020)
2. The Complete Apache Kafka Practical Guide (dec 2021)
3. Web Scraping in NodeJS & JavaScript (Feb 2022)
4. Complete MongoDB Administration Guide (Jan 2022)
5. GitLabCI: Pipeline's CI/CD and DevOps for Beginners (Jan 2022)
6. Apache Kafka Series - Kafka Cluster Setup & Administration (Jan 2022)
7. Docker & Kubernetes: The Practical Guide 2022 - Edition (Jun 2022)
8. Automated Software Testing with Playwright (May 2022)
9. Apache Kafka Series - Learn Apache Kafka for beginners v3. (Dec 2022)
10. Apache Kafka Series - Kafka Streams for Data Processing. (Apr 2023)
11. SOLID Principles: Introducing Software Architecture & Design (June 2023)

CodeAcademy Certificates:

1. React (Aug 2021)
2. React Native (May 2023)
3. Java for beginners (May 2023)