

Dzmitry

Software Engineer

SUMMARY

Software Engineer boasting a comprehensive education from Vilnius University and BSTU complemented by a robust professional background with a focus on SaaS and IaaS development. Proficient in a wide array of programming paradigms including OOP, functional, reactive, and process programming. Skilled in Haskell, with a passion for embedding AI and extensive experience in cybersecurity and DeFi, thus reflecting a deep technical expertise. With 5+ years coding in JavaScript/TypeScript and Python, and familiarity with numerous back-end technologies and tools ranging from Node.js to AWS and PostgreSQL, this engineer exemplifies a strong command over modern development practices such as TDD and DDD. Additionally, projects reflect practical experience in data processing, AI model implementation, and system architecture design.

SKILLS

Main Technical Skills	TypeScript (5 yr.), Node.js (4 yr.), Express (3 yr.), AWS EC2 (3 yr.), NestJS (2 yr.)
Programming Languages	JavaScript, Python (3 yr.)
AI & Machine Learning	NumPy
.NET Platform	ADO.NET
Python Frameworks and Libraries	Matplotlib, NumPy
UI Frameworks, Libraries, and Browsers	Socket.io
Data Analysis and Visualization Technologies	Microsoft Azure Synapse Analytics
Databases & Management Systems / ORM	Microsoft SQL Server (1 yr.), MySQL (2 yr.), Redis
Cloud Platforms, Services & Computing	AWS, GCP (Google Cloud Platform) (1 yr.)
Amazon Web Services	AWS S3
Google Cloud Platform	GCP AI

Azure Cloud Services	Microsoft Azure Synapse Analytics
Scripting and Command Line Interfaces	Bash
Deployment, CI/CD & Administration	CI/CD, Kubernetes
Version Control	Github Actions (1 yr.)
SDK / API and Integrations	Google API, Swagger (1 yr.)
Third Party Tools / IDEs / SDK / Services	Microsoft Visual Studio (2 yr.), vim
Message/Queue/Task Brokers	RabbitMQ (1 yr.)
Methodologies, Paradigms and Patterns	TDD
BlockChain and Decentralized Software	Uniswap, Web3
Operating Systems	Windows (2 yr.)
Other Technical Skills	Bcrypt, Crystal Reports, Lazy.js, Mayavi, Monet.js, Ramda, Semantic UI, Telethon

WORK EXPERIENCE

Software Developer, Nexploit CLI

Duration: 01-2023 to 11-2023

Summary: A DAST application & API security testing platform with a core written in Crystal and featuring open-source Nexploit CLI.

Responsibilities: Feature development, PostgreSQL migration, service performance improvement, refactoring, redundancy elimination, type checking, RegEx C++ Raw Socket refactoring, documentation updates.

Technologies: Node.js, TypeScript, Ts.ED, MongoDB, PostgreSQL, Redis, RabbitMQ, Jest, Type ORM, Micro-ORM, Semantic Release, Socket Ts-Mockito, Kubernetes



Technical Lead/Sr. Engineer, Jeweler Telegram Bot

Duration: 03-2022 to 01-2023

Summary: A Telegram-based bot, Jeweler, for small jewelry businesses to manage customer orders more efficiently.

Responsibilities: Technology choice, technical solution development, architecture design using DDD, pull-request reviewing, refactoring, translation service integration, Google Auth Client integration, CI/CD integration for seamless deployment on GCP, test implementation, Docker containerization, Redis caching, analytics features implementation.

Technologies: Python, CI/CD, Docker, Telethon, Google Auth Service, Redis, GCP

Software Developer/Architect, Data Processing and Visualization

Duration: 11-2021 to 03-2022

Summary: An open-source project for performing comprehensive loading tests on various data structures and libraries.

Responsibilities: Benchmark development, loading tests, data processing pipeline, data treatment, feature implementation, C++ addons creation, data visualization, documentation and paper authoring.

Technologies: Node.js, Ramda, Lodash, Immutable, Mori.js, C++ Addons, Underscore, Python, NumPy, Matplotlib, Mayavi

Software Developer, TON-Based System

Duration: 09-2021 to 10-2021

Summary: Creation of an open-source TON-based distributed system with independent client-side and testing environment.

Responsibilities: Deployment scripts development, compilation scripts development, Uniswap bridge testing, TON contracts deployment, code refactoring, bug fixes.

Technologies: Node.js, Ramda, Solidity, Monet, TON Environment, Uniswap, Web3

Software Developer/Architect, Parser with AI for Subtitles

Duration: 04-2021 to 09-2021

Summary: A parser system with satellites and embedded proxy servers for recognition of subtitles in video using AI.

Responsibilities: Architecture development, feature implementation, AI model embedding, loading tests, AWS deployment, using MySQL for proxy paths and S3 storage, multi-core architecture, API development with Socket.

Technologies: Node.js, Ramda, Python, Redis, MySQL, AWS S3, AWS EC2, Bash

Software Developer/Architect, Secure Password Manager

Duration: 11-2020 to 04-2021

Summary: A user-friendly password manager offering secure centralized storage and management of passwords.

Responsibilities: Architecture development using Nest.js modules, new feature implementation, MySQL database design, API development, Bcrypt for password encryption.

Technologies: Nest.js, MySQL, Babel, TypeORM



Software Developer/Architect, DB Benchmarking

Duration: 11-2019 to 11-2020

Summary:

- Node
- js interaction with MySQL for database benchmarks and loading testing

Responsibilities: Architecture development, new feature development, lazy approach refactoring, results representation, loading tests, AWS deployment.

Technologies: Node.js, Ramda, Lazy.js, Monet.js, MySQL, AWS EC2

Software Developer, TMS Ticket Management

Duration: 03-2019 to 01-2020

Summary: Ticket management application (TMS) to manage various types of tickets across roles providing a centralized platform.

Responsibilities: New feature development, testing, SQL database error fixing, SQL Server maintenance.

Technologies: .NET Framework, ADO.NET, SQL Server, JavaScript

