Alexander
Middle SOFTWARE ENGINEER

SUMMARY

- Experienced Software Engineer with 4+ years of experience in computer science and software engineering. - Proficient in programming languages such as JavaScript, TypeScript, and Python. - Strong background in backend development using Node JS, Nest JS, and FastAPI. - Skilled in frontend development with React JS, Apollo GraphQL, and Redux. - Experienced in working with databases like PostgreSQL, MongoDB, and Redis. - Knowledgeable in cloud technologies such as AWS (S3, Lambda, API Gateway, EventBridge, SAM, CloudFormation). - Proficient in DevOps practices including Docker, Docker Compose, Kubernetes, and GitLab CI/CD.

TECHNICAL SKILLS

Main Technical Skills	TypeScript (5 yr.), Python (3 yr.), Node.js (5 yr.), NestJS (5 yr.)
Programming Languages	JavaScript (5 yr.), Python (3 yr.), TypeScript (5 yr.)
JavaScript Frameworks	NestJS (5 yr.), Node.js (5 yr.)

WORK EXPERIENCE

Software Engineer, INVESTMENT PLATFORM

Duration: 04.2022 – Till now
Summary:

- Online investment service based in London
- The platform is one of the biggest providers of individual savings accounts and pensions
- The user can buy and sell assets, making a profit on the difference in price
- He could also look at his personal statistics on purchases and sales

Responsibilities: Backend development; Implementing API within REST methodology using FastAPI and Nest JS; Implementing new features; Security Logging and Monitoring Failures; User registration/authentication using JWT; Integration with 3d part API; Implementation of interaction with the database using TypeORM; Modeling MongoDB database and setting up interaction with Mongoose; Setting up storing images and reports on AWS S3; Connect AWS Lambda with API Gateway; Developing EventBridge functionality for investment risk management and real-time portfolio updates; Leveraging serverless within SAM framework with S3 storage, Lambda and EventBridge; Unit, integration and regression testing; Accelerating data search processes with optimization algorithms; Participating in designing architecture and database; Testing with Jest; Writing docker-compose files; Deploying services on Kubernetes for maximum application scalability; Documenting code using Swagger; Supporting and bug fixing; Refactoring existing code.
Technologies: JavaScript, TypeScript, Python, Node JS, Nest JS, FastAPI, Strapi, Prisma,

Mongoose, Cron, Swagger, Webpack, PostgreSQL, MongoDB, AWS (S3, Lambda, API Gateway, EventBridge, SAM, CloudFormation), Docker, Docker Compose, Kubernetes, GitLab CI/CD, JWT, Git, GitLab

Software engineer, ONLINE SHOP

Duration: 04.2020 – 04.2022
Summary:

- A platform to support well-known brands to sell their products online
- The platform allows customers to register their brand as a customer, customize shop windows and add products
- There are a large number of settings for the appearance and display of products
- The customer can add both video and images

Responsibilities: Full Stack development; User registration/authentication using JWT; Integration with 3d part API; Implementation of interaction with the database using TypeORM; Participating in discussions on application architecture and what functionality to implement using serverless; Implementing reusable UI components; Redesigning and implementing 'Settings' module for various panels to simplify configuration; Security Logging and Monitoring Failures; Implemented GraphQL API for querying data from server; Setting up storing images on AWS S3; Editing CloudFormation configuration and maintaining serverless architecture with SAM; Unit, integration and regression testing; Solving complex optimization problems; Testing with Jest; Writing docker-compose files; Supporting and bug fixing; Refactoring existing code.
Technologies: JavaScript, TypeScript, Node JS, Nest JS, TypeORM, GraphQL, Cron, React JS, Apollo GraphQL, Redux, Redux-Toolkit, Jest, Storybook, Formik, Webpack, MUI, PostgreSQL, AWS (EC2, S3, Lambda, API Gateway, EventBridge, SAM, CloudFormation), Docker, Docker Compose, Git, GitHub

Software Engineer, TASK MANAGEMENT

Duration: 04.2019 – 04.2020
Summary:

- A task management application that provides many functionalities, such as statistics on completed tasks for each user, setting goals and tracking them
- Collaboration, reporting, and data visualization

Responsibilities: Backend development; Helping with analyzing datasets; Setting up storing logos with AWS S3; Integration with 3d party API; Taking part in requirements clarification and communication with the client; Working on ways to automate and improve development and release processes; Implementing queue microservice with RabbitMQ; Migration from Express to Nest JS; Containerization and deploy using Kubernetes; Implementing CI/CD pipelines; Unit, integration and regression testing; Dockerization and writing Docker-Compose files; Creating API Swagger; Supporting and bug fixing; Refactoring existing code.
Technologies: JavaScript, TypeScript, Node JS, Nest JS, Express JS, Socket.io, Mongoose, Swagger, RabbitMQ, MongoDB, Redis, AWS (S3), Kubernetes, Docker, Docker Compose, Git, GitLab

EDUCATION

- **Computer Science and Software Engineering**