

# 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

<b>Main Technical Skills</b>	TypeScript (5 yr.), Python (3 yr.), Node.js (5 yr.), NestJS (5 yr.)
<b>Programming Languages</b>	JavaScript (5 yr.), Python (3 yr.), TypeScript (5 yr.)
<b>JavaScript Frameworks</b>	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**

