

Nurlan

Full-Stack Developer

Highly motivated full stack developer with a passion for delivering innovative solutions using cutting-edge technologies such as Python, JavaScript, Django, VueJS, and more. Proven track record of designing and developing complex systems and collaborating effectively with cross-functional teams. Seeking a challenging opportunity to continue growing and making a meaningful impact.

Technical capabilities

Cloud	AWS (2+ years), GCP (6 months)
IaaS	CloudFormation (1 year)
Containerization	Docker (4 years), Docker-compose (4 years)
CI/CD	GitHub Actions (3 years)
Database	PostgreSQL (4 years), MySQL (4 years), DynamoDB (4 years), Redis (4+ years), MongoDB (3+ years)
Backend stack	Python - Django, Django REST Framework, Flask, FastAPI (6 years), Node.js (2 years)
Frontend stack	HTML5, CSS3, JavaScript (4+ years), Vue.js (4+ years), Vuex (4+ years), React (3+ years), Redux (3+ years), TypeScript (1 year)
Operating Systems	Ubuntu (5+ years), CentOS 7/8 (5 years), Amaon Linux (3 years)

Education:

Ala-Too International University (Bachelor of Computer Science)

Work Experience:

DG	(Software Engineer)	03/2021-present
	Ministry of education and science (Software Engineer)	02/2020-03/2021
	National Statistical Committee (Software Engineer)	06/2018–01/2020

Selected Projects

LMS

Role Software Engineer

Technologies

Vue JS, Vuex, Django, Django Rest Framework, Redis, PostgreSQL, EC2, Docker, Docker-Compose, S3 Bucket, CloudFront

Description LMS system for teaching DevOps stack

- Responsibilities**
- Designed and developed an LMS system to teach the DevOps stack, utilizing cutting-edge technologies such as Vue JS, Vuex, Django, Django Rest Framework, Redis, and PostgreSQL.
 - Implemented real-time communication between the frontend and backend using Django Channels and Redis.
 - Improved performance by leveraging Amazon Web Services (AWS) and deploying the backend using EC2 and Docker, and using a combination of S3 bucket and CloudFront for the frontend.
 - Delivered a seamless user experience by combining Vue JS and Vuex on the frontend and Django, Django Rest Framework, and PostgreSQL on the backend.
 - Improved scalability and stability by leveraging Docker and Docker-Compose to manage the deployment of the application.
 - Collaborate with Product Management and User Experience experts regarding product definition, schedule, scope and project-related decisions.

CRM System for School Librarians

Role Software Engineer

Technologies Python, Django, Django REST Framework, PostgreSQL, React, Redux, Docker, Docker-compose, Github Actions

Description Developed a CRM system for school librarians to monitor book provision for school students for the Ministry of Education and Science. The system helps librarians keep track of book availability and distribution, ensuring students have access to the resources they need for their education

- Responsibilities**
- Implemented features such as book tracking, student information management, and reporting to help librarians efficiently manage the school library.
 - Designed a user-friendly interface using React and Redux to improve the experience of librarians and students.
 - Collaborated with the Ministry of Education and Science to understand their requirements and delivered a solution that met their expectations.
 - Improved the productivity and efficiency of school librarians by providing a comprehensive system for managing books and student information, leading to better resource management

and decision-making.

- Refactoring a lot of old code

Time Tracker App

Role	Software Engineer
Technologies	Vue.js, AWS Lambda, API Gateway, DynamoDB
Description	Created a time tracker app to help users keep track of their time and improve productivity.
Responsibilities	• Developed a time tracking application using Vue.js for the frontend, AWS Lambda for handling requests and API Gateway for managing APIs, and DynamoDB as the database. • Designed a scalable and cost-effective solution by leveraging AWS technologies, reducing costs and improving performance. • Improved the productivity and efficiency of individuals and teams by providing a simple and convenient tool for time tracking, leading to better time management and goal attainment. • Collaborated with users and stakeholders to understand their time tracking needs and requirements, and delivered a solution that met their expectations.

Price comparison website

Role	Software Engineer
Technologies	Python, Django, JavaScript, PostgreSQL, Scrapy, HTML, CSS
Description	Developed a price comparison website that allows users to search for products from different online stores. The website was built using Python (Django) and Scrapy for crawlers, providing a fast and efficient way for users to find the best deals. The solution collects data from various sources and presents it in a clear and concise manner, helping users make informed purchasing decisions.
Responsibilities	• Implemented a robust web scraping solution using Scrapy to collect product information from multiple online stores.

E-Commerce Website with Django

Role Software Engineer

Technologies Django, PostgreSQL, HTML5, CSS3, JavaScript

Description Designed and developed a comprehensive e-commerce website using Django, PostgreSQL, HTML5, CSS3, and JavaScript.

- Responsibilities**
- Designed an intuitive and user-friendly interface using HTML5, CSS3, and JavaScript to enhance the customer experience.
 - Built a scalable and efficient database solution using PostgreSQL to manage and store customer, product, and order information.

SQL to DBF Converter

Role Software Engineer

Technologies Python, PostgreSQL

Description Developed a tool to convert SQL data to DBF format for the National Statistics Committee.

- Responsibilities**
- Used Python programming language to write the conversion script, ensuring efficient and accurate data transfer.
 - Improved the National Statistics Committee's data management process by providing a convenient way to convert data between different formats.
 - Collaborated with the National Statistics Committee to understand their data needs and requirements, and delivered a solution that met their expectations.
 - Contributed to the accuracy and timeliness of national statistics by providing a reliable data conversion tool, leading to improved decision making.

Travel Booking Platform

Role Software Engineer

Technologies Python (Django, Django REST Framework, Django channels), PostgreSQL, Redis, HTML, CSS, JavaScript

- Description** A platform designed to connect travel agencies and individual guides with tourists, allowing them to find each other and make travel arrangements.
- Implemented real-time communication features using Django Channels to improve collaboration between travel agencies and guides.
 - Created a user-friendly interface using HTML5 and CSS3 to make the platform easy to use for all stakeholders.
 - Built a scalable and efficient database solution using PostgreSQL to manage and store customer, travel agency, and guide information.

- Responsibilities**
- Requirements gathering and analysis
 - Platform design and development
 - Implementation of features such as booking management, and user authentication
 - Testing and quality assurance
 - Deployment and maintenance of the platform.

Employee Hiring Automation Website

Role Software Engineer

Technologies Python, Django, JavaScript, PostgreSQL, HTML, CSS

Description Participated in the development of a system that automated manual employee registration by implementing an automatic registration that generates an employment contract and badge.

- Responsibilities**
- Used Ajax to modify small portions of the web pages by sending a request to the server avoiding the need of reloading the entire web page.
 - Implemented a user-friendly interface using HTML, CSS, and JavaScript to streamline the hiring process and improve the candidate experience.

E-Commerce Website with Node.js, React.js and MongoDB

Role Full-stack Web Developer

Technologies Node.js, React, MongoDB, HTML, CSS, Bootstrap 5

Description Built an e-commerce platform from scratch using Node.js and MongoDB for the backend, React for the frontend, and Bootstrap 5 for styling. The platform allows users to browse and purchase products, manage their cart and wishlist, and view their order history.

- Responsibilities**
- Designed and implemented the database schema and API endpoints for the backend using Node.js and MongoDB.
 - Created a responsive user interface using React and Bootstrap 5, with a focus on user experience and accessibility.
 - Implemented user authentication and authorization using JSON Web Tokens (JWT) and bcrypt for password hashing.
 - Worked closely with the client to gather requirements and provide regular updates on progress and milestones.

Blog Website

Role Full-stack Web Developer

Technologies Node.js, React, MongoDB, HTML, CSS

Description Built a blog website from scratch using React for the frontend, Node.js and Express.js for the backend API, and MongoDB for the database. The website allows users to browse and read blog posts, search for specific posts, and leave comments.

Responsibilities

- Designed and developed the backend API using Node.js and Express.js, including creating and managing MongoDB collections, implementing data validation and error handling, and securing the API with authentication and authorization using JSON Web Tokens (JWT).
- Designed and developed the frontend using React, implementing responsive designs with CSS and styling with a CSS framework (such as Bootstrap), and ensuring a seamless user experience with client-side validation and error handling.
- Implemented search functionality to allow users to find specific blog posts by title or content, using MongoDB's text search feature.
- Designed and developed a comment system to allow users to leave comments on blog posts, with features such as pagination, editing and deleting comments, and spam prevention using rate limiting and reCAPTCHA.
- Conducted code reviews and collaborated with other developers on the team to ensure consistency and quality of the codebase.
- Deployed the application to a cloud platform such as AWS, ensuring high availability and scalability through horizontal scaling and load balancing.