

# NODIRBEK ERGASHEV

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## JAVA SOFTWARE ENGINEER

Skilled Java Software Engineer with 4 years of professional experience developing highly scalable REST API Web Services and other backend solutions. Consistently increase efficiency by reducing development time and streamline performance of applications and systems. Skilled in using Java, Spring Boot, JavaScript, Git, Docker, JUnit, Postman, Jira, and AWS.

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Software Development Life Cycle • Development / Implementation • Backend  
Microservices • Design Patterns • Cloud Native • RESTful API • Analysis

**Languages:** Java

**Web:** HTML5, CSS3, Bootstrap, jQuery, XML, Ajax, Express, Node, JavaScript

**Web Services:** AWS S3, AWS RDS, AWS Lambda, Microservices, JSON, SOAP

**Web / App Servers:** AWS EC2, Apache/Tomcat

**Frameworks:** Spring (MVC, Boot, Data, Security, AOP, Dependency Injection, Cloud), Hibernate, JPA

**Databases:** PostgreSQL, MySQL, MongoDB

**Design Patterns:** MVC, Singleton, Prototype, Session, Session Factory, Proxy, Observer, IoC, Dependency Injection, Template

**SDLC:** Agile / Scrum, Waterfall

**Tools:** AWS (EC2, RDS, S3, Lambda, CloudWatch, IAM), Docker, CI / CD, Data JPA, Maven, Swagger, JUnit, JMeter, Apache Tomcat, PostgreSQL, MySQL, JSON, RESTful API, gRPC, Atlassian Jira, Grafana, Git, GitHub, Gitlab, Bitbucket, Postman

**Platforms:** Linux, Windows, MacOS

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## PROFESSIONAL EXPERIENCE

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

### EPAM SYSTEMS, Tashkent, Uzbekistan • 2021-2022

Outsourcing company for software engineering.

#### Software Engineer

Led 5-person team for development and implementation of backend solutions using Cloud Native technologies.

- Created highly scalable REST API Web Services according to business requirements.
- Maintained serverless functions with AWS Lambda.
- Built REST API contracts and documentation using Swagger while working with backend and frontend engineers.
- Decreased AWS usage cost 20% as indicated by AWS CloudWatch by fixing memory leaks in serverless functions.
- Reduced development time and enhanced onboarding process by documenting development environment set up.

**Technologies Used:** Java, Spring Boot, JavaScript, Git, Docker, Linux, JUnit, Swagger, Postman, Agile, Atlassian Jira, AWS Services (EC2, RDS, S3, Lambda, CloudWatch, IAM).

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### UDEVS, Tashkent, Uzbekistan • 2018-2021

Technology company providing software engineering services and solutions.

#### Java Software Engineer

Built highly scalable software engineering solutions according to business requirements using Microservice Architecture with gRPC and RabbitMQ.

- Collaborated with cross-functional team comprised of 50 mobile / frontend engineers, DevOps, QA, and data analytics.
- Implemented Google's code review best practices.
- Established dynamic database design with MongoDB and Neo4j.
- Developed RESTful Web Services with Spring Framework and established Event-Driven, Saga Microservices Patterns.
- Increased scalability and decoupled services to specific domains by migrating monolithic Java application into Microservices and implementing Cloud Native services.

**Technologies Used:** Java, Spring Boot, Git, Docker, CI / CD, JUnit, Postman Swagger, Agile, Jira, Linux, Apache Tomcat, AWS Services (EC2, S3, RDS, Lambda).

### ACADEMIC PROJECTS

**Job Alumni Portal, MIU (2022):** Created RESTful API for job portal project. Built SSO Authorization with Keycloak. Documented REST API endpoints with Swagger. **Technologies Used:** Spring Boot, Spring Data JPA, Spring Security, Swagger, Docker, PostgreSQL, JSON.

**Online Dictionary App, MIU (2022):** Developed scalable online dictionary system using Spring Boot. Integrated with Docker to build CI / CD pipeline in Gitlab. Used Agile / Scrum for development with Trello. **Technologies Used:** Spring Boot, MySQL, Bootstrap, AJAX, Docker.

### EDUCATION

#### Master of Science in Computer Science

*(In progress via distance education; expected completion Dec 2024)*

Maharishi International University, Fairfield, Iowa

**Key Courses:** Fundamental Programming Practices, Modern Programming Practices,  
Web Application Programming, Web Applications – Architecture and Frameworks,  
Software Architecture, Cloud Computing

#### Bachelor of Science in Computer Science and Software Engineering (2021)

INHA University in Tashkent, Tashkent, Uzbekistan