**AKHADJON ABDUKHALILOV**

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**FULLSTACK JAVA DEVELOPER**

Skilled Full Stack Java Developer with 6 years of professional experience including translating main business logic into domain logic, implementing efficient architecture, and streamlining development and CI/CD processes. Effective team leader who administers projects through all phases of software development life cycle using technologies such as Java, JavaScript, Spring, Microservices, React.js, PostgreSQL, MongoDB, GitHub, RabbitMQ, Kafka, Amazon Web Services

Software Development Life Cycle Frontend / Backend Team Leadership

Testing Architecture Design Database Development Web Services Design Patterns

**Languages:** Java(8, 11, 17, 21), JavaScript, **Web:** JavaScript, XML, Ajax,HTML5, CSS3, JSON, Bootstrap

**Web Services:**  REST API, SOAP, Apache Kafka, Rabbit MQ, Elastic Stack, CI / CD, Kibana; **Web and Application Servers:** Apache Tomcat, NGINX **Frameworks:** Spring (MVC, Boot, Data, Security, AOP, Dependency Injection, Cloud) Express.js,

Vert.x ,Node.js React.js, Serverless, Hibernate, JUnit, Mockito  
**Databases:** PostgreSQL, MongoDB, MySQL, Oracle, Phoenix, HBase, Solr, Impala,   
**Design Patterns:** Adapter, Façade, Template, Iterator, State, Proxy, Singleton, Prototype, Session, Session Factory, Observer  
**SDLC:** Agile, Scrum,Waterfall,TDD  **Tools:** Visual Studio, Eclipse, IntelliJ IDEA, XCode, VS Code, VIM, Git, Jira, Confluence, Axios, Maven, Postman, Docker, Kubernetes, Firebase,   
**Platforms:** MacOS, Windows, Linux, AWS, EC2, S3, ECS, Harness, TeamCity, OpenShift, Lightspeed.  
**Big Data:** Kafka, Hadoop, Cloudera,

**PROFESSIONAL EXPERIENCE**

**Michell Martin Inc. December 2022- Present**

**Citi Group December 2022 - Present**

**Senior Consultant:** Development, maintenance, and deployment of enterprise applications.

• Developed micro services, packaged into AWS Elastic Kubernetes Service, Elastic Container Service and deployed to EC2 instances

• Implemented integration with AWS services SQS, S3, SNS, RDS in java spring application.

• Implemented java spring configuration for security for integration with AWS services.

• Writing Terraform scripts and deploy in AWS production environment

• Design and implementing spring java autoconfigurations, starters and libraries

Collaborated with development teams to optimize deployment pipelines

* Rectified unit test issues and extended test coverage using PowerMock, Mockito, and JUnit, guaranteeing the reliability and stability of the codebase.

Optimized response time of Apache Phoenix database by applying custom filters.

* Automated the smoke test execution process to streamline application deployment, enhancing efficiency and minimizing the risk of deployment-related issues.
* Maintained high availability and reliability of applications through automated deployment processes
* Spearheaded the development of a proof-of-concept (POC) project using React.js for our API marketplace initiative, demonstrating the feasibility and potential of the technology.
* Automated resource provisioning and scaling by leveraging Terraform and GCP’s managed services, enhancing development team productivity.

***Technologies Used:*** *Java, Spring Boot, Progress, Liquibase, Spinnaker, JavaScript, React.js, Vert.x,* Phoenix, Solr, *Cloudera, Kafka, Junit, Mockito Confluence, Jira, Swagger, IntelliJ IDEA, Eclipse, VS Code, Windows, Ubuntu Linux, Kibana, Hadoop, Elasticsearch, GCP, TeamCity, Docker, Kubernetes, ECS/OpenShift, Lightspeed.*

**CRASOFT INC., Tashkent, Uzbekistan February 2021- February 2022**

Technology company specializing in IT services and consulting.

**Software Engineer****:** Building robust feature for platform using Spring Boot, Microservices and React also working with CI/CD pipeline and Amazon Web Services to deploy scalable and fault tolerant system.

• Implemented appropriate architecture for system MVP release.  
• Created design to anticipate expected changes and ensure system extendibility.  
• Employed gateway-oriented Microservices architecture.  
• Connected services asynchronously and decreased throughput bottlenecks with messaging.  
• Streamlined development and CI/CD processes by applying branching strategies and code review processes.  
• Performed Unit and Integration tests with up to 80% coverage.  
• Lead a small backend team and implemented conventions and good practices.

***Technologies Used:*** *Java 17, JavaScript****,*** *Java Spring (Boot, Data, Security, Cloud), HTML5, CSS3 React.js, PostgreSQL, MongoDB, Docker, Kubernetes, Hibernate, RabbitMQ, Kafka, Junit, Mockito Firebase (Realtime Database, Cloud Messaging), Amazon Web Services, Confluence, Jira, Swagger, IntelliJ IDEA, Eclipse, VS Code, XCode, Android Studio, Windows, MacOS, Ubuntu Linux.*

**REALSOFT LLC, Tashkent, Uzbekistan February 2018 - November 2020**

Leading IT company providing professional consulting services.

**Software Engineer**

Development and maintenance of enterprise application for government agencies.

* Designed and developed microservices using Java Spring Boot, Rest API.
* Tested and deployed new program and features in development, acceptance, staging and production environments. Performed troubleshooting, debugging and upgrading of existing applications
* Converted monolithic application to Microservice architecture using React and Spring Boot.
* Managed authorization issue and updated logic for restricting roles in different environments
* Maximized security by integration OAuth2 with Keycloak for method level security.
* Implemented Firebase Cloud messaging as well as Unit and Integration tests.
* Created notification service with Notification API and Push API to streamline instant push updates without app updates.

***Technologies Used:*** *Java, JavaScript, Java Spring (Boot, Data, Security, Cloud), JWT, Functional Programming, Lambda expressions, Junit, Mockito, HTML5, CSS3, Bootstrap, React.js, PostgreSQL, Oracle, MongoDB ,AWS, Kubernetes, Firebase Realtime Database, Firebase Cloud Messaging, Tomcat, Kafka, Confluence, Jira, Hibernate, Docker, iOS, Android, Windows, MacOS, Ubuntu Linux.*

**EDUCATION  
Master of Science in Computer Science***(2022 jan – 2022 september, In progress via distance with CPT Nov 2024)*

Maharishi International University, Fairfield, Iowa

*Key Courses: Modern Programming Practice, Advanced Software Architecture, Enterprise Architecture, Web Application Architecture, Web Application Programming*

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

Inha University in Tashkent, Tashkent, Uzbekistan