

JAVA DEVELOPER

Successful Java developer with more than 15 years of intensive experience guiding the progress of analysis, design, development, and testing of multiple applications through all stages of development cycles. Excellent skills in identifying potential issues and applying exceptional problem solving skills to proactively implement effective solutions. Strong team leader with capability to mentor and engage all stakeholders to build quality solutions for scalable environments using modern technologies such as Java, Spring, SpringBoot, AWS, CI/CD, Agile/Scrum, Microservices, Serverless.

Java Programming • Back-End • Microservices • Serverless • Design Patterns
Scrum • Web Services • System Analysis

Languages: Java 7-8-11, Nodejs, Python

Web: HTML5, CSS, XML, JavaScript, Typescript, Servlet

Web Services: RESTful, Microservices

Web & Application Servers: Tomcat

Frameworks: Express, JPA, SpringBoot, Spring, Hibernate, SpringBatch

Databases: MySQL, Elasticsearch, Redis, Memcache

Design Patterns: Singleton, Factory, Builder, Strategy, Decorator, Chain of Responsibility, Observer

SDLC: Waterfall, Agile/Scrum, TDD

Tools: Eclipse, Vscode, Github, Gitlab, Jenkin, Docker, Jira, CheckStyle, Jacoco, PMD, Sonar, Java VisualVM, Maven, Ant, Gradle, JUnit, Mockito, Power Mock, Postman

Platforms: Windows, Linux, AWS (Route53, CloudWatch, S3, EC2, Lambda, ELB, API Gateway, ElastiCache, Elasticsearch, CloudFormation, Aurora, ECS, VPC, Elastic Load Balancing, SQS, SNS, DynamoDB, AWS Batch)

Big Data: Glue, PySpark

PROFESSIONAL EXPERIENCE

ETS – Educational Testing Service, New Jersey, US • Mar 2021 - Now

ETS is the world's largest private nonprofit educational testing and assessment organization. ETS develops various standardized tests primarily in the United States including TOEFL, TOEIC..

Senior Java Developer

Using Java, NodeJS, AWS to migrate old mainframe system to serverless microservices.

Tasks Performed:

- Work with the Team Lead and Business Analysts to understand features and design for implementation.
- Designs, develops, and implements modern web-based/backend applications to support business requirements.
- Resolves technical issues through debugging, research and investigation.
- Develop serverless microservices using Java, Springboot, API Gateway, Lambda, DynamoDB, AWS Batch, S3, SQS, SNS.
- Implement ETL pipeline using Kinesis Stream, S3, Python, Pyspark, Glue and Redshift

Achievements:

- Investigate and design successfully a ETL pipeline with less effort and good performance.
- Design a strategy to support both monolithic and microservices running in parallel.

Technologies Used: Java, Springboot, NodeJS, API Gateway, Lambda, DynamoDB, AWS Batch, S3, Kinesis Stream, S3, Python, PySpark, Glue, Redshift, Cloudformation, Jenkins, Gitlab

CapitalOne, Virginia, US • Feb 2020 – Feb 2021

Capital One Financial Corporation is an American bank holding company specializing in credit cards, auto loans, banking, and savings accounts. It is on the list of largest banks in the United States and has developed a reputation for being a technology-focused bank.

Fullstack Java Developer

Using Spring/Springboot to develop, deploy in AWS environment under Scrum methodology.

Tasks Performed:

- Developed Restful service using Jersey, Springboot, Docker, AWS ECS.
- Maintained internal applications like migrate Spring to Springboot, upgrade AMI, fix bug & vulnerability
- Used App Performance Monitoring (APM) like DataDog, NewRelic, Splunk to monitor, troubleshoot and improve performance.
- Used Jenkins pipeline to achieve CI/CD (Build-AnalyzeCode-Deploy-Test-Release), developed a migration tool in Python to help teams apply CI/CD strategy.
- Used AWS Lambda to handle autofailover, apply deployment strategy Blue-Green, Canary
- Maintained golden docker images for spring/springboot, support Alpine, APM, Java8/11, Vault, Tomcat
- Joined Technical Team to help team troubleshoot issues in CI/CD deployment via Slack, Zoom.

Achievements:

- Minimize maintaining cost after migration from spring to springboot
- Teams used migration tool to apply CI/CD successfully without manual steps.

Technologies Used: Java 8/11, Spring, SpringBoot, Mockito, Route53, ELB, S3, AWS Lambda, CloudWatch, EC2, Hashicorp Vault, ECS, Docker, Tomcat, MySQL, Jenkins, GitHub, Sonar, JMeter, DataDog, NewRelic, Splunk,

PORTERS, Tokyo, Japan • Jun 2017- April 2019

Provide software as a service (SaaS) HR-Business Cloud system for recruitment agencies to manage job, candidate, interview, report...

Team Leader

Developed and led 7-member core team developing microservices with SDCL Agile/Scrum.

Tasks Performed:

- Optimized search performance by migrating searching from MySQL to Elasticsearch.
- Gathered requirements and used information to write feature and development specifications.
- Restructured monolithic – legacy system applying microservices with SpringBoot and Nodejs.
- Developed on docker and deployed product on AWS using CI/CD, Jenkins, bash script.
- Updating Java 8 to Java 11 using Amazon Corretto JDK

Achievements:

- The slowest query got improved from 3 minutes reduced to 30 seconds.
- Successfully applied microservices with clear design, easy to maintain.

Technologies Used: Java, Spring, SpringBoot, Mockito, Nodejs, AWS, Tomcat, MySQL, Express, Elasticsearch, Chef, Cloudformation, S3, Lambda, Jenkins, Git, Gerrit, JUnit, Gradle, Jacoco, Checkstyle, Docker, Typescript, Memcache, Redis

CLIMB, Gunma, Japan • April 2016- May 2017

Business consulting service and web design pioneer for varied types of corporations in multiple fields, creating websites for such industry giants as Sony and Nec.

Senior Java Developer

Outsourcing developer, implementing customized solutions in alignment with client requirements.

Tasks Performed:

- Performed full SDLC, from development and testing to database design.
 - Created designs and proposals, based on skillful evaluation /incorporation of new technologies.
- Led multiple development teams of up to 5 members in the management of daily development processes (i.e., testing and implementation) to ensure top quality programs and on-time completion.

Achievements:

- Rapidly achieved proficiency in Japanese working environment
- Gathered/fulfilled complex project requirements, delivering high-quality, customized solutions.

Technologies Used: Java 8, Narblach, HTML, JSP, Oracle, JQuery, CSS, Jacoco, CheckStyle, Tomcat, and Ant

AXON ACTIVE VIETNAM, Ho Chi Minh City, Vietnam • August 2012- March 2016

Swiss-owned company specializing in Agile software development / testing.

Senior Java Developer / Scrum Master

Performed maintenance and development of new features for BPMN / Axon Ivy Suite.

Tasks Performed:

- Led development team and mentored junior team members on resolution strategies to technical problems.
- Cultivated productive relationships with all levels of stakeholders based on technical expertise and communication skills.

Achievements:

- Developed expert-level skills with Agile/Scrum.
- Earned accolades from client as result of developing creative solutions.
- Maximized project efficiencies using Java-core.

Technologies Used: Java 8, JNLP, Swing, JFreeChart, OSGi, JUnit, ULC-Ultra Light Client, Synthetica L&F, Eclipse IDE, Hudson, Redmine, Jacoco, Sonar, CheckStyle, PMD, Ant, Mockito, Bootstrap, Primefaces, JSF

CSC VIETNAM, Ho Chi Minh City, Vietnam • October 2008- July 2012

Tier 1 IT company providing services in domestic and global markets.

Java Developer

Designed and developed e-commerce and dashboard components for web-based applications.

Tasks Performed:

- Deployed Master Data Management System for Abbot Company, including report design, dashboard, and data work flow implementation with Siperian.
- Seamlessly redesigned and implemented UI of banking system by update to modern web-based GUI instead of cumbersome COBOL using WebSphere Portal.

Achievements:

- Delivered impressive outcomes via skillful collaboration on an international team.
- Recognized for contributions as key member of Core team specializing in ETL/MDM solution.

Technologies Used: *Java, Oracle, Siperian Tool, SpringMVC, BirtReport, WebSphere Portal, HTML, CSS, JQuery, Ajax, Junit, XML, SOAP, Eclipse, SOAP UI, Checkstyle, and SVN*

ACADEMIC PROJECTS

Movie Recommendation System, MUM (2019): Web application developed to predict / filter preferences according to user's choices. Used NodeJS, Python, Docker, HTML, and CSS.

Technologies Used: *NodeJS, Python, Docker, HTML and CSS*

Amazon Sentiment System, MUM (2019): Application that pulls reviews which express opinions and describe their experiences regarding products on the Amazon.com website to build sentiment analysis system.

Technologies Used: *Kafka, Spark, Hadoop, S3, Docker, Kubernetes*

PERSONAL PROJECTS

Restaurant Management Software: Developed for coding practicing, including POS and resource management of materials, food, and staffing. Completed coding and refactoring to Microservices.

Technologies Used: *Java, Spring, SpringBoot, JPA, MySQL, Swing, Maven, Docker*

EDUCATION

Master of Science in Computer Science

Maharishi International University – Fairfield, Iowa

Key Courses: *Enterprise Architect, Modern Web Application, Machine Learning, Big Data Technology, Big Data, MPP, Algorithm*

Bachelor of Science in Computer Science (2009)

University of Natural Science, Ho Chi Minh City, Vietnam

ADDITIONAL TRAINING / CERTIFICATION

Apply TDD in Narblach (2016)

Troubleshooting with Java Visual VM (2015)

Vaadin with Swing Developer (2013)