

Artem Nabirkin

Sr. Software Development Engineer | Java Certified Specialist | AWS Certified Developer
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PROFILE

Senior software development engineer with 12+ years of extensive experience. Have a deep understanding of all phases of Software Development Life Cycle starting with the problem analysis and system design to deployment and monitoring. Have expertise in building ML/AI data pipelines and highly scalable distributed systems on Cloud services.

SKILLS

- Core Java (7, 8), Java Concurrency, multithreading
- ML/AI training and inference pipelines
- Messaging and Service Integration
- Python
- Solidity, Smart Contracts
- REST / SOAP Web Services
- SQL, MySQL, Neo4j, MongoDB
- Semantic Web
- AWS (S3, Lambda, DynamoDB, SageMaker, Kinesis Data Streams, Kinesis Data Analytics, SQS, SNS)

EMPLOYMENT EXPERIENCE

Sr. Software Development Engineer (SDE3) at Amazon, Nashville, TN 11/2021 - Present
Software Development Engineer (SDE2) at Amazon, Seattle, WA 01/2019 - 10/2021

- Deliver large-scale Machine Learning (ML) Computer Vision (CV) solutions to improve safety and productivity at Amazon's fulfillment centers worldwide.
- Define the Robotics AI's org processes around ML model deployment and operations.
- Adopt ML Continuous Learning solutions in the org processes to automatically and continuously improve the accuracy of ML models in response to data drifts.
- Lead technical designs and the development of Amazon's Forecasting systems and machine learning pipelines for Middle Mile logistics.

Tools/Skills/Technology: Amazon AWS (SageMaker, S3, DynamoDB, Lambda), Java, Python, CloudFormation, CDK

Systems Engineer at Lendindex LLC, New York, NY 12/2016 - 11/2018
www.lendindex.com

- Maintain control over the architecture lifecycle together with the project's software development.
- Develop high-level product specifications with attention to system integration and feasibility.
- Maintain, developing and testing new features as required for LI big data ecosystem.
- Integrate Ethereum blockchain, smart contracts as a loan contracts (web3j).

Tools/Skills/Technology: Amazon AWS (EC2, ELB, AWS Elastic Beanstalk, WorkMail, SES, Lambda, Route53, VPC), Java8, Spring Boot framework, REST, Natural Language Processing, Json-LD, Solidity.

Java Developer/Team Lead at Potbotics Inc, New York, NY (remotely) 03/2015 - 09/2016
<https://www.potbotics.com/products/potbot> (Personalized cannabis recommendation system)

- Developed the PotBot backend from scratch. Built the RESTful API as a way to communicate with the next client apps: iPhone, iPad, web js app.
- Analysed the system development requirements.
- Designed the system (including Database Layer) architecture.
- Executed system Development and Team (frontend team) management.

Senior Java Developer at FSUE NIIPS (Russian Postal Service), Moscow, Russia 04/2014 - 03/2015

- Worked as architect assisting in design and development of enterprise-scale distributed applications.
- Applied SOA (Service-Oriented Architecture) design principles and Web Services (SOAP/REST).
- Implemented batch processes and other types of integration patterns using enterprise technologies (Apache Camel) and message services JMS (ActiveMQ).
- Tested and optimized performance characteristics using (JMeter, JMX).
- Performed integrations with major data providers (Lanit, AliExpress) via WebServices.

Tools/Skills/Technologies: SOAP, REST, Apache Camel, ActiveMQ, JMeter, JMX

Lecturer of Core Java at South Ural State University, Chelyabinsk, Russia 09/2012 - 01/2014

- Taught novice level Java courses for graduate students in the computer science program.
- Prepared of materials.
- Created evaluation tests.
- Conducted and graded examinations.

Java Developer at ASGOR, Chelyabinsk, Russia 10/2007 - 01/2014

- Developed corporate client-server applications on three-tier architecture using java-based technologies (Servlets, JDBC, JPA, Hibernate) and Web-services (JAX-WS, SOAP, XML, XSD).
- Implemented desktop apps using client-ui framework based on Swing.
- Developed reporting modules (Apache POI, Jasper Reports).
- Automated docflow, including the use of digital signatures. Automated processes related to the maintenance of registers for municipal property and land, the accrual calculations of rent and interest, preparation of documents for the recovery of debts and the creation of printed forms.

EDUCATION

- Master of Science, Instrumentation Engineering, South Ural State University, 2007
- Bachelor of Science, Instrumentation Engineering, South Ural State University, 2005

CERTIFICATION

- AWS Certified Developer - Associate, 2018
- Oracle Certified Professional, Java SE 8 Programmer, 2017
- Oracle Certified Professional, Java SE 7 Programmer, 2016
- Oracle Certified Associate, Java SE 7 Programmer, 2013