Sergey Vyatkin  
  
1965 Ascot Drive APT 2, Moraga, CA 94556

Phone: (510) 342-4024, E-mail: sergey.k.vyatkin@gmail.com

blog: [www.vyatkins.wordpress.com](http://www.vyatkins.wordpress.com/)

gitHub: <https://github.com/SVyatkin>

**Objective**

To operate as an experienced lead software engineer with strong Cloud platform technology development.

**Summary of Qualifications**

★ Experience in Java, Scala, GO, Python, JEE, Spring, Hibernate, Servlets/Filters/Valves/JSP, TDD/BDD/Cucumber/JUnit/Mockito, REST/OData/Web Service.

★ Experience in NoSQL document-oriented DB: Cassandra, and MongoDB, strong PL/SQL skills.

★ Platform and development Frameworks and tools: Predix/Cloud Foundry/AWS/Azure, Kafka/ActiveMQ/RabbitMQ, Spring, Hibernate, Kubernetes, Docker, Spark, Angular/D3/SigmaJS, Aouth2/SAML2/UUA/OpenAM/OpenID/WSO2, Jenkins/Bamboo/SonarQube/Coverity, Jira/Rally, Maven/Cradle, Git/SVN/Perforce and Postman/SOAPUI.

**Professional Certifications**

★ Deep Learning 2018, 5 courses

★ Predix Certified Developer 2016

**EMPLOYMENT**  
2018-present, BHGE, Staff Software Engineer

★Architecture, design, implement and performance testing a scalable Cloud IoT Enterprise solution for the Private Predix Cloud for the company’s partner based on microservice architecture using CI/CD, Kafka/RabbitMQ, Postrgres/Cassandra, UAA security, Redis, ML. The reactive (responsive, scalable, and resilient) solution operates over millions sensor’s data per second.

★ Architect, design, implement scalable Cloud IoT ecosystem using clusters, web socket streaming servers, gRPC, messaging, and cache.  Designed and implemented Performance Platform Testing for a thousand nodes over a million devices using Spring Boot, Go, Kafka/RabbitMQ, Postrgres/Cassandra/Spark.

★ Architect, design, implement 2D asset browser for IoT Asset storage using Spring boot, Angular/D3/SigmaJS, Cassandra, Redis.

★ As instructor, trained and organized boot camps for Predix solution and Cloud Foundry services to three off shore teams.

Environment: Predix/Cloud Foundry/AWS, Kubernetes, Docker, Spark, MySQL/Postgres/Oracle, Java/Scala/Go, Python/Jupyter/Cuda/ML, REST/OData/WS, Spring boot, TDD/BDD/Cucumber/JUnit, MySQL/Postgres/Cassandra, UAA/OAuth 2.0/SAML2, Redis, RabbitMQ/Kafka, Jenkins/SonarQube/Coverity.

2014-2018, **GE Digital**, Lead Software Engineer.

★ Strong contributor to a company cloud-based industrial platform (PaaS) for the Asset Data Service and open source solutions.

★ Architect and implement 3D Modeling and porting to IoT Cloud Industrial projects.

★ As DOJO Instructor, trained Predix solution and Cloud Foundry services for over a dozen teams during a year.

Environment: Predix/Cloud Foundry, AWS SDK, Kubernetes, Docker, Spark, MySQL/Postgres/Oracle, Java/Scala/Go, OSGi, REST/OData/WS, Spring boot, Angular/D3/SigmaJS, TDD/BDD/Cucumber, WSO2/UAA/OAuth 2.0/SAML2, Redis, JPPF, ActiveMQ/RabbitMQ/Kafka.

2013, **AKQA Inc.,** San Francisco, Senior Software Engineer.

★ Designed an architecture and developed a video streaming server using AWS services (EC2, SimpleDB/DynamoDB, SES, S3) to compose a series of short videos to upload from mobile applications to YouTube for an interactive advertising campaign.

★ Developed and integrated a compare service for mobile iOS apps using WS SOAP and Localytics.com solution.

Environment: CQ5/OSGi, Spring, REST, WS, Quartz, Maven, AWS, SimpleDB&Dynamo, CXF, StupeFlix, YouTube API, SSO/SAML, OAuth 2.0, CSRF.

2011-2012, **QUMU Inc.,** San Bruno, Senior Software Developer.

★ Designed and developed a Service Provider for Single Sign On (SSO) using SAML protocol for a corporate media publishing system operating in Cloud (SaaS).  
★ Designed and developed a recording and streaming server with company media product integration for discovery VOD service.

Environment: Jboss/TomCat, Spring, Hibernate, Velocity, WS(CFX), Quartz, MySQL, Oracle, Maven2, OpenSSO/OpenAM, OpenID, IBM WebJunction, RSS Polycon, TCS/Tandberg CISCO.

2010–2011, **MobiTV**, Emeryville, Senior Software Engineer.

★ Designed and developed the company's new product for live channels (USA, Europe) using RESTful (Jersey), Spring, ActiveMQ, multi-threading and Oracle.  Tomcat Cluster handles over 11 million mobile devices in company production.

★ Developed the components of a Location Base Service (LBS) to check zip code locations using K-dimension algorithm, boundary boxes, and/or user IP location settings for a mobile device.

★ Designed and developed several simulation projects using various protocols HTTP, UDP and standards ETSI, MPEG to simulate live channel content.

2006–2010, **HealthNet**, San Francisco, Software Engineer.

2003-2006, **CountryWide**, Los Angeles, CA, Consultant

**EDUCATION**

Master's Degree in CS, Diploma, Far Eastern University, Vladivostok.

Status: US Citizen

References are available upon request.