**Contact Information**

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Experienced Developer ∗ Force Multiplier ∗ Eager to Learn

**Value Proposition**

Developing microservice applications supporting a broad variety of industries. Expert in all phases of the software development life cycle (SDLC) from analysis and design through deployment, implementation and documentation. Utilizing problem-solving and communication skills to reduce team friction, improve productivity, and reduce time-to-market. Working across teams to gather requirements and identify shared resources that can be leveraged.

Expertise includes:

* Object-Oriented Analysis, Design and Programming
* Agile Methodologies
* API Design and Implementation
* Unit, Integration and Acceptance Test Strategies
* Software Development Kit (SDK) Creation
* SOLID Design Principles

**Technical Skills**

**Programming Languages:** Java, Kotlin, Groovy, JavaScript / NodeJS, XML / XSD, Python, GoLang, Bash scripting, Perl

**Developer Tools:** Maven, IntelliJ IDEA, Git, SonarQube, Jenkins, Sonatype Nexus, Artifactory, Jira, Gradle, Visual Studio Code, UML, Gatling / Taurus, JMeter, WhiteSource, Bitbucket

**Frameworks:** Spring Framework / Spring Boot, JUnit, Jackson, Cucumber / Gherkin, OpenAPI, Hibernate, Dropwizard, Flyway, Apache Beam, Retrofit, Apache Kafka, Apache Storm, Google Cloud Platform services (Cloud Pub/Sub, Cloud SQL, Cloud Dataflow, Cloud Build), Jacoco, Clover

**Databases:** PostgreSQL, Elasticsearch / Kibana, Redis, Solr, H2, HyperSQL / HSQLDB, Oracle, MongoDB, MySQL, SQL Server, IBM DB2, Informix

**Platforms:** Docker, OpenShift, Kubernetes, Helm, Terraform, macOS, Linux (Red Hat / Fedora)

**Professional Experience**

**ZoomInfo – Waltham, MA (remote)** 2023 – Present

**Senior Software Engineer**Contributed to data processing pipeline and developer experience improvements using Java, Maven and Gradle.

**Key Achievements**

* Improved microservice API latency by 300%

**Finastra – Lake Mary, FL (remote)** 2022 – 2023

**Principal Platform Engineer**Directed domain / API development for the FusionOperate Core team.

**Key Achievements:**

* Developed Java microservice training example for global staff, using Java, Spring Boot 3, Flyway, Docker, PostgreSQL and GitHub Codespaces
* Streamlined documentation publication and defined information architecture for FusionOperate team

**Professional Experience (continued)**

**Bellese – Baltimore, MD (remote)** 2020 – 2022

**Senior Software Engineer, CMS MPSM Modernization (Medicare Claim Pricing)**Implemented common SDK for modernization development effort (COBOL to Java) using Dropwizard / Jackson; provided DevOps support and integration for Jenkins, SonarQube, and Artifactory; provided API designs for corporate-supported open-source projects.
 **Key Achievements:**

* Reduced code duplication by 75% and simplified year-over-year maintenance by developing and implementing novel design patterns
* Created a shared technology platform that reduced time-to-deliver for new COBOL-to-Java logic conversions by 50%, including a production framework for CSV data ingestion; this reduced intra-application drift and further simplified future maintenance
* Simplified project releases and deployments by creating turnkey resources for continuous integration
* Improved overall code quality across multiple deliverables, reducing identified issues by 25% - 50% and increasing code coverage to > 90%

**NCR – Altamonte Springs, FL** 2010 – 2020

**Senior Software Engineer**Implemented multiple microservices as part of conversion to SaaS/PaaS API gateway for service delivery; converted microservices to Google Cloud Platform (GCP) native services; designed and implemented Maven-driven build process integrating code quality and publication tools for NCR API Platform using Java, Spring Boot, and PostgreSQL / Oracle.

**Key Achievements:**

* Analyzed requirements for, designed and implemented audit data capture feature
* Improved overall code quality across multiple deliverables by 10% – 25%
* Converted Kafka-based data stream processor to Google Cloud Dataflow, moving from Solr to Elasticsearch
* Created custom OAuth2 Authorization Server to integrate with API Gateway
* Designed and implemented security improvements, such as HMAC-based authentication flow and auto-deactivation of inactive user accounts

**Education**

2012 Certified Scrum Master: ThoughtWorks

2011 Yellow Belt - Continuous Improvement: NCR Internal

2001 Object-Oriented Analysis & Design: Object Discovery

2000 The Dale Carnegie Course: Dale Carnegie

 Master of Science (MS), Chemistry, Virginia Polytechnic Institute & State University

 Bachelor of Science (BS), Chemistry (Computer Science minor), Rensselaer Polytechnic Institute

**Patents & Awards**

2023 Patent US-11531611-B2: Auditing-as-a-Service (individual); assigned to NCR

2023 Patent US-11456921-B2: Self-contained Microservice Platform (contributor); assigned to NCR

2016 NCR Meritorious R&D Excellence Award: NCR Enterprise Platform API Gateway (team)

2016 NCR Meritorious R&D Excellence Award: Cloud Publish/Subscribe Service (team)

2014 NCR Outstanding R&D Excellence Award: Development of a Multi-Stage Testing Methodology (individual)