### Krish Ayyagari, ms, mtech

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##### Full Stack Developer | Python / Django Developer | Software Developer

**Oracle Certified Associate | Java SE 8 Programmer**

Talented Full Stack Developer with more than 6 years of successful IT experience. Proven talent for developing innovative solutions to meet customer needs and support business goals. Diversified experience in Python, Java, Django, JavaScript, Oracle ERP and database management. Quickly adapts to new environments and masters new technologies. Logical, accountable and conscientious, thrives in demanding environments and manages multiple priorities. Consistently awarded for outstanding performance and results.

# AREAS OF EXPERTISE

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| --- | --- | --- |
| * Enterprise Scale Solutions * Scripting / Automation Solutions * Back-End & Front-End Development * System Level & Integration Tests | * Agile Methodologies * Database Administration * Analysis & Problem Solving * Data Profiling & Data Quality | * Technical Team Leadership * Application Requirements * Software Defect Resolution * Prototype / Solutions |

# TECHNOLOGIES

P**roficient:** Java,Python,Oracle Applications,J2EE, Agile, Git, Jira, **Expert:** MySQL, Oracle, Postgres, Excel Macros

**Advanced:** Spring Boot , Spring MVC, Spring JPA, Hibernate,rest,Soap ,Django, HTML, CSS, JavaScript, Linux ,Unit Testing.

# SUMMARY OF ACHIEVEMENTS

* Earned Oracle Certified Associate, Java SE 8 Programmer certification.
* Achieved “Pat on the Back” Award for playing key roles in delivery of projects for Capgemini, an acknowledgement given to only 5% of 40,000 employees.
* Received “Outstanding Performance” ratings in two consecutive years, granted to only 10% of 40,000 employees during annual performance evaluations.
* Honored with Appreciation Award from client General Electric (GE) for completing critical projects as Technical Lead.
* Honored multiple appreciations from Mastercard for completing the Apply pay , Google Pay Tokenizations.

# PROFESSIONAL EXPERIENCE

**MAstercard, St Louis, MO ( Altimetrik corp) November 2018-Present**

Mastercard is one of the leading global payments & technology company that connects consumers, businesses, merchants, issuers & governments around the world.

**Software Engineer**

* Brought MDES(Bulk tokenization utility) to masses reducing time from 100 hrs to 24hr.
* Creating new rest services for Apple message web services for Apple pay .
* Refactorized the legacy application(Payment Acount Reference Application) to a micro service architecture , PCF Cloud.
* Working on migrating multiple Mdes application to the microservice architecture and cloud platforms.
* Worked on multi threading applications using camel , spring Boot and other Restful services
* Created various webservices to integrate with Mastercard payment systems.
* Followed best practices like unit tests , pair programming , automatic deploying , agile process.
* Worked on ehCache, redis cache for better performance.

**Xpressdocs,** **Dallas**, TX **Febuary 2017-October 2018**

Developer and operator of an online marketing platform for enterprises and franchises. The company's platform comes with a complete suite of marketing products and programs, helping corporations maintain control over branding while providing teams with a self-serve platform to create personalized marketing materials.

**Full Stack Developer**

* Mitigated revenue loss for Xpressdocs by developing, deploying, and stabilizing a Java tamper-proofing application.
* Developed Python scripts to automate manual tasks; reduced labor expenses by 160 hours per month.
* Introduced new technology stack, python and django framework to Xpressdocs.
* Developed a Full Stack Agent / Office Loading tool using Django, Python, MySQL, and Alert Mechanism, effectively reducing operational costs by 180 hours per month.
* Enhanced listing importer of existing Java application to accommodate multiple files simultaneously and increase speed.
* Optimized MySQL queries by 75% to improve server performance.
* Member of the DBA Admin team responsible for crucial tickets on MySQL and PostgreSQL, such as upgrades, backups, restorations, re-factorization, encryption and reporting.

**IGATE, Mumbai, India** **August 2012-December 2015**

Capgemini aquired Igate. A French multinational professional services and business consulting company with 200,000+ employees in 40+ countries.

**Technical Lead**

* Led a team of 8 employees; managed and delivered multiple complex R12 implementations on time.
* Liaised with clients to identify and prioritize business requirement and expedite projects based on value.
* Provided requirements and project planning as well as systems configuration from gap analysis to implementation, including data conversions.
* Developed technical solutions in Java as well as PL/SQL procedures; created inbound and outbound interfaces.
* Coached and developed team of 12 associates in Oracle purchasing, financial modules, Java and PLSQL.
* Devised and adopted design and documentation procedures for improved efficiency.

# PROJECTS

**Migrating MDES to PCF, Microservices** June2019 - Present

This project is upgrading the legacy application to new micro service architecture , coverting the Jboss applicaations to Spring boot , Migrating to PCF environment .

* Migrated the application to PCF cloud , configuring the build pipeline and PCF env variables .
* Designed and developed the Code using Java8,SpringBoot and Micro service architecture.
* Confirguring ehcache and Redis Cache management for better performance.

**Apple Messaging Service** April 2019 – August2019

This project allows an apple device to register for notifications and retrieve card holder messages submitted by the issuer.

* Created multiple rest services for registrations , de-registrations and re registration end points .
* Created Jenkins pipilines and unit testing covering 90% of the code.
* Migrated the application to PCF cloud for this feature .
* Designed and developed the Code using Java8 and Micro service architecture.

**MDES** November2018-April2019

The project is to develop and support the management, generation, and provisioning of digital payment credentials into mobile devices, to enable simpler, more secure digital payment experiences.

* Created Camel routings for the automatic triggering using timer .
* Created Bulk inserts of tokens for android pay / apple pay using spring boot and rest services.
* Collaborated with team , wrote multiple Junits and pair programming.
* Created and consumed multiple rest services in MDES platform.
* Pocs on multiple cloud enivorment , microservices for mastercard platform migration.

**Xpressproof** April 2018-October2018

Xpressdocs allows users to view orders in advance and make edits. This feature introduces complexities as it involves multiple technologies, including PHP, RabbitMQ, Java, JavaScript and Indesign servers.

* Collaborated with team members to regularly enhance application and accommodate new features.
* Developed logs and dashboard in ELK to monitor production issues .
* Increased performance by doubling speed using multi threaded application.
* Created new production proofer (MacOS) for load balancing.

**Automation of Implementation** April 2017-May 2018

Automated manual tasks to support non-technical teams in performing job duties. Led project team of 5 involving varied technologies, such as Java,Spring Boot,Django and Python.

* Decreased labor expenses from 80 hours per month to less than 8 hours per month.
* Automated and simplified processes; increased profits and improved customer satisfaction.
* Reduced timeframe for completing requests using python, Django and Pandas library.

**DBA Admin** February 2017-June 2017

Organizational changes within Xpressdocs required team to focus on efficiency, standardization, auditing, reporting and security of Xpressdocs database servers. Project was complex and involved MySQL, Postgres and Sql Server databases.

* Optimized more than 20 queries, increasing efficiency and speed (50X faster).
* Created automated reporting and alerts using Python, Java that yielded bottom-line results.
* Encrypted confidential database information using Hashing SHA 256 algorithms; improvised existing backup and restored process.

**PMO R12 implementation** February 2014-December 2015

Led a project team of 8 in transitioning SSS from Oracle 11i onto R12 for client, General Electric.

* Successfully delivered 3 full buy-to-pay OUs and 5 buy only OUs.
* Effectively executed complex migrations in Oracle R12 ERP.
* Received multiple client appreciations and awards.

**General Electrical Aviation (GECAS)** August 2012-March 2014

Enhanced existing GECAS involving extensive customizations in SSS and use of Java, reports, PLSQL and workflows.

* Analyzed prior implementation to make enhancements based on business needs. Developed and tested code.
* Delivered project on time and met customer requirements.
* Project involved Aviation service parts; ensured the provision of support for the platform.

# EDUCATION AND CERTIFICATION

**Oracle Certified Associate, Java SE 8 Programmer** September 2018

**Master of Computer Information Science (MS)** December 2017

Saint Cloud State University, St Cloud, MN

**Master of Software Engineering (MTECH)** December 2014

JNTU Kakinada University, Kakinada, India

**Bachelor of Computer Science and Engineering (BCSE)** May 2011

JNTU Kakinada University, Kakinada, India