

# Srinivasulu Padigay

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## EDUCATION

### Master of Science in Computer Science

The University of North Carolina at Charlotte, North Carolina, USA

Coursework: Algorithms, Artificial Intelligence, Machine Learning, Visual Analytics

Expected December 2024

GPA: 3.8/4.0

## WORK EXPERIENCE

### Software Engineer

June 2018 – July 2022

#### Netcracker Technology – Hyderabad, India

Full-time

- Developed and maintained Java-based applications for the Payments and Collections team, ensuring high performance, scalability, and security.
- Implemented key features for secure credit/debit card transactions using RSA encryption and tokenization, reducing vulnerabilities in customer payment systems.
- Handled software bugs and enhancements through Jira, providing solutions to meet customer requirements.
- Collaborated closely with cross-functional teams, utilizing Agile methodologies to ensure timely and efficient delivery of features.
- Worked on backend services using Spring and Hibernate to develop APIs, improving the performance of large-scale enterprise systems by 15%.
- Optimized SQL queries and database interactions in SQL Server, enhancing system response time by 10%.
- Participated in code reviews and provided feedback to ensure adherence to industry standards and best practices.
- Created unit tests and performed debugging using JUnit and Mockito, improving code coverage by 25%.
- Assisted in the development of core modules for web applications using Java, Spring, and Hibernate frameworks.
- Enhanced security for applications by implementing encryption mechanisms for sensitive data, leading to increased compliance with PCI industry regulations.
- Developed RESTful APIs for integration with third-party services, facilitating seamless communication between different systems.
- Performed troubleshooting and bug fixes, reducing issue resolution time by 20%.
- Actively contributed to improving team productivity by adopting Agile tools like Jira and Confluence.

### Finance Assistant

January 2023 – December 2024

#### UNC Charlotte – Charlotte, USA

Part-time

- Developed and maintained automation scripts for financial tasks using Python and PowerShell, increasing efficiency and reducing manual errors.
- Improved data entry operations on MongoDB through Python, and optimized web interfaces using Django to improve user experience and system performance.
- Automated financial report generation leveraging Microsoft Power Automate and MS Office, streamlining report creation and distribution processes.
- Performed financial audits and transaction tracking using MS Office to ensure accuracy, managed account ledgering, and maintained comprehensive financial records.

## LANGUAGES

- Java
- Python
- C#
- C/C++
- PHP
- Node.js
- JavaScript
- HTML
- CSS
- XML
- React
- Bash
- PowerShell

## DATABASES

- MySQL
- PostgreSQL
- NoSQL
- MongoDB
- IBM DB2
- SQLite
- Microsoft SQL Server
- Amazon DynamoDB
- Amazon RDS
- Oracle

## TOOLS

- Git
- GitHub
- GitLab
- Jira
- MS Office
- Slack
- Docker
- Kubernetes
- Microsoft Power Automate
- Microsoft Azure
- DevOps
- Visual Studio Code
- IntelliJ IDEA
- Eclipse
- Microsoft Teams
- Android Studio

## CLOUD PLATFORMS

- Amazon Web Services (S3, Lambda, EC2)
- Microsoft Azure

## CERTIFICATIONS

- Oracle Certified Professional, Java SE 8 Programmer
- PCEP™ – Certified Entry-Level Python Programmer
- Microsoft Certified: Azure Data Fundamentals
- AWS Certified Cloud Practitioner