Harsh Mohan Gajra

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**Objective**

Software Engineer with 4+ years of experience specializing in Java Development and Java frameworks like Jersey-Jax RS, Spring Boot and Hibernate . Possesses a MS in Computer Science from State University of New York, impeccable problem solving and software engineering skills, and excellent interpersonal skills. Looking for a challenging and interesting role in Software Development. I was core part of Software engineering team at Pype Inc , a Construction SaaS company (Acquired by AutoDesk).

**Education**

**Master’s in Computer Science -** State University Of New York , Binghamton , August 2016 - May 2018

**Bachelor of Computer Engineering -** K.J.Somaiya College of Engineering, Mumbai ,First class

**Relevant Coursework**: Data Structures and Algorithms, Database Systems, Operating Systems, Programming Languages, Design Patterns

**LinkedIn** : <https://www.linkedin.com/in/harsh-gajra/>

**GitHub** : <https://github.com/HarshGajraSUNY>

**Technical Skills**

Java 8 Data Structures Eclipse

Angular 6 Amazon Web Services REST api

Git Gradle GitHub

Jenkins CI/CD Jira Spring Boot

JPA MySQL Android

Prototyping API GIMP

Proof of Concepts Web Applications Design Patterns

Maven Java CSS

Cloud Framework HTML

JAX-RS Real-time JavaScript

Restful Software NoSQL

Software Development UI Node.js

J2ee IDE DynamoDB

NetBeans C++ SQL

Code Review Java Software Development PL/SQL

GUI JDBC Microservices

**Work Experience**

***Software Developer 2 – FINRA | Reston,VA,USA ,May 2020-Present***

* Developed a test automation suite to make automatic REST- API calls and test the response data against SQL query output using Junit, Java, MySQL.
* Performed code review and enhanced existing code base to add new features primarily using Object Oriented programming paradigm in Java .
* Developed SQL queries using Postgres to test the required data relating to Equities and Options traded on various stock exchanges that were displayed for the Finra’ s Consolidated Audit Trail Project dashboards for its Accuracy and Precision.

***Software Engineer - Pype Inc | Herndon,VA,USA , July 2018 – June 2020***

* Backend software engineering , design and Development of new features using microservices for web applications using Java 8, Jersey JAX-RS REST api framework ,Spring Boot, and MySQL as the database .
* Designing and developed internal software solutions for optimizing the business process followed by in-house Sales and Support teams thus saving the organization $360,000 per year in costs and 15,000 man-hours per year.
* Full Stack development of a document management and turnover package software application using Angular 6,Html, css on frontend (20%) and Java 8, Jersey REST API framework on backend (80%) and MySql as database.
* Designed the data model and developed the backend code for an Email Cadence software tool using Java 8, Spring Boot, JPA and MySQL database.
* Experienced in using the message brokers like RabbitMQ for message queuing and asynchronous job processing.
* Managed, mentored and gave work assignments and conducted code reviews for junior software engineers.
* Algorithm Development: Design, Analyze and implement algorithms in core Java for solving various use cases across the software products of the company .
* Writing integrations of current applications with externals cloud services e.g AWS S3 .
* Production support of Applications :Provided L3 Production support for company’s software products.
* Develop, implement and/or improve the application production support knowledge management repository to ensure all are documented, process & procedures are clear and periodic reviews are conducted .
* DevOps : Create and maintain fully automated CI/CD pipelines for code deployment using Jenkins and GitLab.
* Researching and development of proof of concepts for new product development using Google cloud console, AWS, GIMP and Java 8.
* Writing automations for the manual tasks performed by Customer Support and Success Teams within the company’s software products.

# **Paper Publications**

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* **Paper:** Credit card Fraud Detection and Prevention Using Perceptron Training Algorithm.
* **Journal:** International Journal on Recent and Innovation Trends in Computing and Communication, Apr 2015
* **Link**: <https://ijritcc.org/index.php/ijritcc/article/view/4182/4182>