

# TUSHIT JAIN

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## EDUCATION:

Master of Science, Computer Science (GPA: 3.787)  
State University of New York, Binghamton, NY, USA

May 2018

Bachelor of Engineering, Computer Science (GPA: 3.5)  
GGS Indraprastha University, Delhi, India

July 2016

## PROFESSIONAL SUMMARY:

- Deep understanding of design patterns and unblemished problem-solving skills, low latency micro-services.
- Developed and implemented cross-platform, Java based POS.
- Analyzed new solutions increasing scalability and availability by 45% and 75%, respectively.
- Strong experience with complete product development lifecycle, developing consumer facing applications, Object Oriented Analysis and design methodologies using agile and test-driven development process with automated test case development.
- Led, architected and participated in the design, test, deployment of client/server, multi-tier applications and related components.
- Known as a self-starter, team player and multitasker--strive to consistently exceed expectations.

## TECHNICAL SKILLS:

- **Programming Languages:** Java 8, Angular,
- **Java Technologies:** JSP, JDBC, JPA, Spring 4.x, Spring Boot, Servlet 3.0., Hibernate
- **Web Technologies:** Javascript, NodeJs, HTML5/DHTML, CSS3, XML, AJAX, JSON, RESTful.
- **Database:** MSSQL, MySQL, MongoDB, Oracle RDBMS.
- **Operating Systems:** OSX, Windows, Linux (Ubuntu).
- **Servers:** Apache HTTP, Tomcat.
- **IDE/VCS/Build Tools or Systems:** Eclipse, NetBeans, IntelliJ, WebStorm, Github, Git, Ant, Maven, Gitlab, JIRA.

## WORK EXPERIENCE:

### Lucideus Cyber Security, Intern

June 2015 – July 2015

- Designed and developed an E-Commerce Web application from the beginning.
- Worked on critical security areas of the applications and make it secure from any kinds of cyber-attacks.
- Used Kali Linux for Testing environment.

### BrainMentors Pvt. Ltd, Intern 2016

August 2015 – July 2016

- Designed and developed a Learning Management Web application for an academic institute.
- Migrated the legacy system from paper exams to online exams, thus enhancing the productivity of the organization by 40%.
- Worked in a team of 15 employees following Agile scrum methodology, to serve more than 10,000 users concurrently.
- Reduced the server load by 90% by utilizing the local storage HTML5 and browser capabilities.
- Built on MVC architecture and features like user authentication using OAuth2.0, web-services in REST, and NPM tools to make code highly efficient and perform testing.
- Cross browser compatibility using bootstrap

### Dynamic Healthcare Systems, Java Developer

June 2018 – Present

- Worked on RevenueReconciliation micro-service that calculates the internal amounts and reconciles with external.
- Used RabbitMQ for load distribution and message transfers between two services.
- Identified major exceptions in log files and handle them gracefully, thus more efficient logging and better system performance.
- Worked in a team of 5 developers following Agile scrum methodology, to serve more than 20 clients concurrently.
- Currently working on migrating existing application front end from Java to Angular ensuring the backend compatibility with existing business model

## ACADEMIC PROJECTS AND EXPERIENCE:

### JavaEE Developer on Accounting Application

- Used Spring Framework with Spring web-flow and Spring Security for maintaining the flow and security of the web application built in JavaEE using Apache Tomcat with Subclipse as servers and Oracle RDBMS as Database.
- Used JPA (Hibernate) for object mapping and domain model to relational database, JSF 2.0 (PrimeFaces) with maven build to produce highly scalable and efficient code.

### AWS/Java Developer on Audio Language Transcribing Application

- The application uses AWS services to upload an audio/video file to S3 database, identifies its language, convert it to text.
- The text is then transcribed into desired language and using amazon text to speech, produces the speech in desired language.

**JavaEE Developer on HotelBooking Application using SpringBoot, MongoDB**

- Web Application built on Java using spring boot, with mongoDb as database.
- Angular 4 used for front-end connecting with backend java using REST.

**Java Developer on Retail Management System**

- Develop, maintain and support application to check product inventory, sales and discount info for admin using Java & PL/SQL.
- Analyze code for system testing and debugging; create test transaction to find, isolate and rectify issues.
- Authorized managers of the business to additionally check sales statistics, order products, hire/fire employees.

**iOS Developer on 4InARow, Stacks, Infinity Runner, Stick Hero, Angry Mario, Doodle Jump**

- Extensive use of GameplayKit, and other Swift libraries.
- Understood the use of path findings, motions, sensors, and physical bodies and their contacts in game world. Implemented algorithm to play single or two player modes.

**Angular2 Developer on MyTaskList**

- MyTaskList is a web application that maintains your daily task list.
- A task can be added, deleted or edited.

**Java Developer on Simulator for in-order version of APEX Pipeline with two separate FUs**

- Implemented the in-order version of APEX Pipeline with two FUs.
- Analyzed and handled different scenarios of flow dependencies among instructions.
- Implemented various concepts like data forwarding, branching.

**Java Developer on Loan Originating System**

- Desktop application built in java using swing.
- Followed design patterns and principles with ability to serialize and deserialize the object.

**Java Developer on Thread Pool**

- Implemented in Java it is a simple thread pool which pools the threads and feeds them with the task as soon as the new task arrives.
- If all the threads are working on some other task and a new task arrives a new thread is created to work on the task
- Worked extensively on the design and implementation of the project

**Java Developer on Backup System for Student Records**

- Backup system implemented with Visitor and Observer pattern that stores data and retrieve information from a Binary Search Tree.
- Object Oriented Design, that replicate and saves the data to other registered BST tree nodes.

**Java Developer on a Tinder for Grocery App ( Hobby project )**

- Spring boot application based on swiping left and right for creating grocery list
- MongoDB as database and Angular in front-end.