



# Aditya Lochan Sharma

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VISA Status: Open Canadian Work Permit | Relocation: Anywhere in Canada

## PROFESSIONAL SUMMARY | [adityalochansharma.com](https://www.adityalochansharma.com)

- Experience in Software Analysis, Design, Documentation, Implementation, Testing using **Java/J2EE** technologies.
- Experience in implementing **Collections, Data Structure** and **Algorithms**.
- Experience in **relational** database design, indexing and writing complex **SQL** queries, **Stored Procedures**.
- Experience in **Functional Testing**, writing **Junit** test cases, using **Selenium** and use of version control tool **SourceTree, GIT, SVN**.
- Involved in **CI/CD** development and use of **Agile/SCRUM** development methodologies.

## TECHNICAL SKILLS

Framework	: Spring, Spring Boot, BackboneJS, Selenium
Languages	: JAVA/J2EE, PL/SQL, JavaScript, XML, JSON
Database	: Oracle 12c, DB2, Oracle APEX, SQLite
Web Technologies	: CSS, Bootstrap, REST API, XHTML, Apache Tomcat, AWS, S3, Dynamo DB, AWS Lambda
Tools	: IBM Websphere, Jira, Jules, Jenkins, CI/CD, Maven, SourceTree, GIT, TortoiseSVN, AWS, SQL Developer, Eclipse\IntelliJ, SonarQube, Sonar Lint, IBM MQ, Fitnesse/Cucumber, Sublime, ESRI, VS Code, Android Studio, GIS, Tableau, SPSS, Stata, R Studio, Vmware, Atom

## EXPERIENCE

### Penske, St.Petersburg (Associate Software Engineer 3) | RentalNet Application

Jun 2023 - Nov 2025

- Integrated one-one call forwarding feature in RentalNet application. Involved full stack development, creating UI component & service module interacting with external RingCentral API.
  - Part of tech-refresh initiative, developed microservice module layer(ACL) that maps the objects between two systems providing seamless traffic flow.
  - ACL project involved creating rest endpoints, services for mapping/processing of message using multithread asynchronous calls for outbound flow and stacking/processing inbound flow as response for UI. (microservice architecture)
  - DLScanner project involving full-stack development of new features for seamless driver license scanning at site location and tabbing user behavior based on selection preference for data analysis. (monolithic architecture)
- Technology:** Java, Javascript, JSP, Springboot, Openshift

### JP Morgan Chase & Co., St.Petersburg (Associate Software Engineer 2) | Chargeback-Post Deposit Application

Sep 2020 - Mar 2023

- Directed a team of 4+ interns. Acted as scrum master and provided technical guidance. All interns joined as full-time employees.
- Added new features, functionality in backend using Java, Spring, Springboot, Junit for test coverage.
- Developed debit UI screen on Javascript, connecting UI to backend using REST API calls and using Java, ElasticSearch technologies.
- Resolved production incidents during critical hours and performed necessary data patching.

**Technology:** Java, Springboot, Javascript, Bash/Shell Scripting, SQL, Control-M, Junit5, Websphere

### JP Morgan Chase & Co., Tampa (Associate Software Engineer) | PSFX-Payment Service Foreign Exchange

Aug 2018 - Sep 2020

- Added new application features, increased code efficiency/stability.
- Worked on automation framework Selenium and Cucumber to automate test cases.
- Increased application test coverage using Junit to meet application compliance standards, making application bug free.
- Increased code efficiency & stability, resolved sonar bug fixes and validated application using SSAP scans.
- Supported releases and performed data patches.

**Technology:** Java, SQL, Linux, SpringBoot, Microservices, IBM MQ, Selenium, Cucumber

### Center for Urban Transportation and Research, USF (Graduate Research Assistant)

May 2017 - May 2018

- Contributed to research “Robust Automated Pedestrian Detection System” and “Automated Campus Shuttle Pilot Study”.
- Contributed to research on “Probability of Pedestrian Crashes and Socio-economic factors” involving literature review, data collection, model specification and regression analysis, making pedestrian travel safer. <http://bit.ly/2JQbxRn>
- Involved in data gathering, cleaning, disseminating, and analyzing using geospatial tools.
- Statistical and predictive analytics of data using SPSS, producing written papers and reports.
- Participated in field work and conducted literature reviews.

**Technology:** SQL, GIS, SPSS, Stata, Excel, MS Word | Recommendations: <http://bit.ly/2t50zxQ> , <http://bit.ly/2K4jmDr>

### Bureau of Indian Standards, India (Intern)

Feb 2016 - Jul 2016

- Programmed “Feedback Analysis” using Hadoop Framework. Analyzed feedback using Map Reduce and filtered tweets for data analytics.

**Technology:** Hadoop, Java, Flume, MapReduce

### Power Finance Corporation LTD, India (Intern)

Jun 2015 – Jul 2015

- Developed “Contract Monitoring System” that stores memos related to contracts.
- Application stored different models for procuring services, tasks, and associated activities including details about contract and contractor.

**Technology: ASP.NET, ADO.NET, C#, MS Access**

**Jul 2014 - Aug 2014**

**Yamaha Motors India Pvt. Ltd, India (Intern)**

- Collaborated in design and hosting of a social static website for Yamaha stakeholders.
- Technology AWS – EC2 and S3, Git

**Jun 2014 - Jun 2015**

**Microsoft Corporation, India (Intern/Ambassador for company's marketing campaign)**

- Devised the organizational flow of market, handling prospective clients, inductions, stakeholder management, building relations for mutual growth for re-engagement of clients.
- Handled various marketing initiatives for promotion and organization of events like GoWiderDelhi campaign, GenZ.

**PROJECTS**

**Pedestrian Crossing Android Application**

**Jan 2018 - May 2018**

- Developed an android application for automated pedestrian crossing.

- The application would help pedestrian's (USF student's) commute easier, preventing jay walking.

Technology: Android Studio, XML, Java, Google API. <https://bit.ly/442q17B>

**Jan 2018 - May 2018**

**Social Media Messenger Application**

- Created a social media RESTful web service application using JAX-RS, allowing users to send and receive messages.

Technology: Java, RESTful API, JAX-RS, Apache Tomcat <https://bit.ly/4d4hswV>

**Nov 2017 - Dec 2017**

**Usability Testing (RentersBay)**

- Performed usability testing of website "rentersbay.com" to improve human computer interaction. <https://bit.ly/3U3uzG7>

**Feb 2017 - April 2017**

**USGeoRSS Earthquake Markers**

- Built an Interactive app involving Geo-visualization in Java using Unfolding Maps library.
- Application analyze live earthquake GeoRSS feeds from USGS website using data structures and generics.

Technology: Java/J2EE, Spring <http://bit.ly/2t7RkwV>

**Feb 2017 - April 2017**

**Software Testing (Tango Application)**

- Performed in depth analysis to identify defects and improve codebase to eliminated bugs.
- Developed manual test cases and automated testing scripts using Selenium.

Technology: Selenium <https://bit.ly/3JpgX33>

**Oct 2016 - Dec 2016**

**Penetration testing on Windows 7 machine using Kali**

- Modified vulnserver to remove buffer overflow vulnerability and penetration tested Windows 7 machine using Kali.
- Ports were scanned for vulnerabilities including openVas scan, targeting services using exploit-db scripts.
- System was exploited using by binary reverse meterpreter shell to escalate system privileges.
- Ssh keys, smb hashes, tokens were collected followed by decryption of NTLM, MD5 hashes using kali tools to escalate privileges.

Technology: Kali Linux, Shell Scripting, Metasploit

**Oct 2016 - Dec 2016**

**Online Hospital Reservation System**

- Created an Online Hospital Reservation System using Oracle Sql 12c.
- Employed ERD through Oracle Normalization.
- Performed Indexing & Range Partition for performance tuning.
- Demonstrated usage of Transaction Processing.

Technology: Oracle Sql developer 12c, SQL <http://bit.ly/2HMBcfi>

**Oct 2016 - Dec 2016**

**CERTIFICATIONS**

Udacity NanoDegree: FrontEnd Web Development

**Jun 2024**

Google Developer NanoDegree: Android Development

**Jan 2019**

C++ and Data Structure

**Jun 2013**

**EDUCATION**

MS in Information Technology (3.67/4)

**University of South Florida, Tampa FL**

**May 2018**

B.Tech. in Computer Science Engineering (3.1/4)

**Ansal University, Gurgaon INDIA**

**Jul 2016**

**ACHIEVEMENTS**

- Research project solicitation award (Application of Dynamic Prediction Methodology to FDPT&TSMO Programs)
- **4x IRONMAN 70.3, 1x USAT National Championships, Podium - Olympic Triathlon, Ultra-Runner (100K), Century Rider (Imperial System) & Half-Marathon swimmer**
- Inducted into MarquisWho'sWho honors list.
- Interviewed for USF media & 83degrees media sharing my journey as an international student. <bit.ly/3yddDFG>
- Voted as Secretary for Brandon Toastmasters Club

