



# Aditya Lochan Sharma

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

## PROFESSIONAL SUMMARY | [adityalochansharma.com](https://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, React, BackboneJS, Selenium
Languages	: JAVA/J2EE, PL/SQL, JavaScript, Python, XML, JSON, C++
Database	: Oracle 12c, 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) | DLScanner, ACL(Anti-corruption-layer)** **Jun 2023 - Present**

- Part of tech-refresh initiative, developed microservice module layer(ACL) that maps the objects between two systems providing seamless traffic flow.
  - ACL 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)
  - Worked on 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, Multithreading, Caching, AWS, Swagger.

### **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, React, Javascript, Bash/Shell Scripting, SQL, Control-M, Junit5, Websphere, AWS, S3, EC2

### **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, sonar bug fixes,
  - 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, SPSS, MS Word | **Recommendations:** <http://bit.ly/2t50zxQ> , <http://bit.ly/2K4jmDr>

### **Bureau of Indian Standards, India (Intern)** **Feb 2016 - Jul 2016**

- Programmed “Feedback Analysis” software 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

<b>Yamaha Motors India Pvt. Ltd, India (Intern)</b>		<i>Jul 2014 - Aug 2014</i>
<ul style="list-style-type: none"> <li>Collaborated in design and hosting of a social static website for Yamaha stakeholders.</li> </ul> <b>Technology</b> AWS – EC2 and S3, Git		
<b>Microsoft Corporation, India (Intern/Ambassador for company's marketing campaign)</b>		<i>Jun 2014 - Jun 2015</i>
<ul style="list-style-type: none"> <li>Devised the organizational flow of market, handling prospective clients, inductions, stakeholder management, building relations for mutual growth for re-engagement of clients.</li> <li>Handled various marketing initiatives for promotion and organization of events like GoWiderDelhi campaign, GenZ.</li> </ul>		
<b>PROJECTS</b>		
<b>Pedestrian Crossing Android Application</b>		<i>Jan 2018 - May 2018</i>
<ul style="list-style-type: none"> <li>Developed an android application for automated pedestrian crossing.</li> <li>The application would help pedestrian's (USF student's) commute easier, preventing jay walking.</li> </ul> <b>Technology:</b> Android Studio, XML, Java, Google API. <a href="https://bit.ly/442q17B">https://bit.ly/442q17B</a>		
<b>Social Media Messenger Application</b>		<i>Jan 2018 - May 2018</i>
<ul style="list-style-type: none"> <li>Created a social media RESTful web service application using JAX-RS, allowing users to send and receive messages.</li> </ul> <b>Technology:</b> Java, RESTful API, JAX-RS, Apache Tomcat <a href="https://bit.ly/4d4hswV">https://bit.ly/4d4hswV</a>		
<b>Usability Testing (RentersBay)</b>		<i>Nov 2017 - Dec 2017</i>
<ul style="list-style-type: none"> <li>Performed usability testing of website "rentersbay.com" to improve human computer interaction. <a href="https://bit.ly/3U3uzG7">https://bit.ly/3U3uzG7</a></li> </ul>		
<b>USGeoRSS Earthquake Markers</b>		<i>Feb 2017 - April 2017</i>
<ul style="list-style-type: none"> <li>Built an Interactive app involving Geo-visualization in Java using Unfolding Maps library.</li> <li>Application analyze live earthquake GeoRSS feeds from USGS website using data structures and generics.</li> </ul> <b>Technology:</b> Java/J2EE, Spring <a href="http://bit.ly/2t7RkwV">http://bit.ly/2t7RkwV</a>		
<b>Software Testing (Tango Application)</b>		<i>Feb 2017 - April 2017</i>
<ul style="list-style-type: none"> <li>Performed in depth analysis to identify defects and improve codebase to eliminated bugs.</li> <li>Developed manual test cases and automated testing scripts using Selenium.</li> </ul> <b>Technology:</b> Selenium <a href="https://bit.ly/3JpgX33">https://bit.ly/3JpgX33</a>		
<b>Penetration testing on Windows 7 machine using Kali</b>		<i>Oct 2016 - Dec 2016</i>
<ul style="list-style-type: none"> <li>Modified vulnserver to remove buffer overflow vulnerability and penetration tested Windows 7 machine using Kali.</li> <li>Ports were scanned for vulnerabilities including openVas scan, targeting services using exploit-db scripts.</li> <li>System was exploited using by binary reverse meterpreter shell to escalate system privileges.</li> <li>Ssh keys, smb hashes, tokens were collected followed by decryption of NTLM, MD5 hashes using kali tools to escalate privileges.</li> </ul> <b>Technology:</b> Kali Linux, Shell Scripting, Metasploit		
<b>Online Hospital Reservation System</b>		<i>Oct 2016 - Dec 2016</i>
<ul style="list-style-type: none"> <li>Created an Online Hospital Reservation System using Oracle Sql 12c.</li> <li>Employed ERD through Oracle Normalization.</li> <li>Performed Indexing &amp; Range Partition for performance tuning.</li> <li>Demonstrated usage of Transaction Processing.</li> </ul> <b>Technology:</b> Oracle Sql developer 12c, SQL <a href="http://bit.ly/2HMBCfi">http://bit.ly/2HMBCfi</a>		
<b>CERTIFICATIONS</b>		
Google Developer NanoDegree: Android Development		<i>Jan 2019</i>
C++ and Data Structure		<i>Jun 2013</i>
<b>EDUCATION</b>		
MS in Information Technology (3.67/4)	<b>University of South Florida, Tampa FL</b>	<i>May 2018</i>
B.Tech. in Computer Science Engineering (3.1/4)	<b>Ansal University, Gurgaon INDIA</b>	<i>Jul 2016</i>
<b>ACHIEVEMENTS</b>		
<ul style="list-style-type: none"> <li>Research project solicitation award (Application of Dynamic Prediction Methodology to FDPT&amp;TSMO Programs)</li> <li><b>2x IRONMAN 70.3, Ultra-Runner (100K), Century Rider (Imperial System) &amp; Half-Marathon swimmer</b></li> <li>Inducted into MarquisWhosWho honors list.</li> <li>Interviewed for USF media &amp; 83degrees media sharing my journey as an international student.</li> </ul>		