



Aditya Lochan Sharma

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

PROFESSIONAL SUMMARY | 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

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| 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, 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**

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| Yamaha Motors India Pvt. Ltd, India (Intern) | | <i>Jul 2014 - Aug 2014</i> |
| <ul style="list-style-type: none"> Collaborated in design and hosting of a social static website for Yamaha stakeholders. Technology AWS – EC2 and S3, Git | | |
| Microsoft Corporation, India (Intern/Ambassador for company's marketing campaign) | | <i>Jun 2014 - Jun 2015</i> |
| <ul style="list-style-type: none"> 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 | | <i>Jan 2018 - May 2018</i> |
| <ul style="list-style-type: none"> 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 | | |
| Social Media Messenger Application | | <i>Jan 2018 - May 2018</i> |
| <ul style="list-style-type: none"> 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 | | |
| Usability Testing (RentersBay) | | <i>Nov 2017 - Dec 2017</i> |
| <ul style="list-style-type: none"> Performed usability testing of website "rentersbay.com" to improve human computer interaction. https://bit.ly/3U3uzG7 | | |
| USGeoRSS Earthquake Markers | | <i>Feb 2017 - April 2017</i> |
| <ul style="list-style-type: none"> 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 | | |
| Software Testing (Tango Application) | | <i>Feb 2017 - April 2017</i> |
| <ul style="list-style-type: none"> 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 | | |
| Penetration testing on Windows 7 machine using Kali | | <i>Oct 2016 - Dec 2016</i> |
| <ul style="list-style-type: none"> 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 | | |
| Online Hospital Reservation System | | <i>Oct 2016 - Dec 2016</i> |
| <ul style="list-style-type: none"> 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 | | |
| CERTIFICATIONS | | |
| Google Developer NanoDegree: Android Development | | <i>Jan 2019</i> |
| C++ and Data Structure | | <i>Jun 2013</i> |
| EDUCATION | | |
| MS in Information Technology (3.67/4) | University of South Florida, Tampa FL | <i>May 2018</i> |
| B.Tech. in Computer Science Engineering (3.1/4) | Ansal University, Gurgaon INDIA | <i>Jul 2016</i> |
| ACHIEVEMENTS | | |
| <ul style="list-style-type: none"> Research project solicitation award (Application of Dynamic Prediction Methodology to FDPT&TSMO Programs) 2x IRONMAN 70.3, Ultra-Runner (100K), Century Rider (Imperial System) & Half-Marathon swimmer Inducted into MarquisWhosWho honors list. Interviewed for USF media & 83degrees media sharing my journey as an international student. bit.ly/3yddDFG | | |