

POOJA SINHA

Highly skilled in the areas of Java, JavaScript and SQL Server, I am a Software Engineer with local and international experience. I am a strong communicator, good team player and versatile developer. With a Bachelor in Electronics and Communication and a Master of Information Technology from Monash University, I have a strong background in technology and science, and understand these fields to a great depth. I have 2.5 years' total experience in different organizations and I'm ready to take on a new challenge.

EDUCATION

- **Master of Information Technology (GPA – 3.1 / 4)** *Feb 2018 – Dec 2019*
Monash University, Australia
- **Bachelor of Technology in Electronics and Communication (GPA – 8.65 / 10)** *2011- 2015*
Mody University of Science and Technology, India

WORK EXPERIENCE

- **Momentum Systems (Startup), Software Engineer** *Feb 2020 – June 2020*
 - Researched, designed and built new features from scratch for the existing QMS systems leveraging knowledge of Java, Java Mail, JavaScript, Webservices, Git, SQL server, Orbeon forms, Tomcat and TinyMce editor.
 - Worked as an implementation consultant for clients with tasks including gathering requirements and building solutions iteratively and presenting the build to clients.
 - Implemented custom Quality Management Systems for 2 clients using the existing system in place.

Achievements at workplace

 - Ensured uninterrupted flow of requirements by building a new feature in the existing system to ensure standard data requirement for all clients of the company which increased productivity twice fold.
- **Hewlett Packard Enterprise R&D, System Software Engineer** *Aug 2015 – Oct 2018*
 - Accomplished being the only primary owner of EWT products which are open source products ported into OpenVMS OS. Products include Apache, Tomcat, SOAP, UDDI, WSDL, Axis2 and Perl
 - Successfully fixed all 8 customer cases and replied to all note queries within SLA and without any escalation using automated testing in QTV.
 - Led group of 3 to port Apache 2.4 into OpenVMS.
 - Liaised with external team to build rack controller management of server in Perl aligning work schedules effectively demonstrating strong skills in project management.

Achievements at workplace

 - Showed excellence at work and was awarded employee of the month 4 times during my tenure.
 - Received special recognition from manager at HPE for fixing my first customer case independently within first 3 months of joining the team.
 - Received special recognition by mentor at HPE for building, testing and releasing the latest version of SSL independently and diligently within the first 2 months of joining the team.

RELEVANT SKILLS

- Languages / Technologies: Proficient in Java SE, Java EE development, JPA, AWS, Webservices using REST, JUNIT Testing, MySQL, Neo4j, MongoDB, GitLab, JavaScript, Python, HTML, CSS, Automated testing using HP QTV
- Practices: Agile, Test Driven Development (TDD), CI/CD

- AWS cloud practitioner certified by Udemy in July 2020
- Certified in Java Programming Language using Java by Oracle
Proficient in solving Data Structures and Algorithms problems using Java

SOFTWARE PROJECTS

- JAVA Projects
 - Built an automated feature using Java Mail API to read new mails and process it individually based on mail subject.
 - Followed MVC design pattern to design and build a database using JPA, exposed it using REST API to be used in a website built using HTML, CSS to book hotel rooms and check transaction records of customers using Managed Bean, EJB, JSF and JAAS API at backend. Also performed unit testing and regression testing for the application.
 - Built and tested a highly cohesive and loosely coupled Java program to simulate FIFA world cup leveraging concepts of Core Java like methods, constructor, inheritance, interface, loops, Collection etc.
- JavaScript Projects
 - Developed a JS application which manages budget using module pattern and event listeners, constructors, handling input data, Inheritance, Prototype, IIFE, Closures, event delegation with improved User Experience.
 - Developed a basic pig quiz game manipulating DOM, event handlers, state variables, etc.
- Big Data Projects
 - Designed data models to migrate data stored in CSV format to NoSQL Database and built an application to visualize streaming data produced by implementing multiple Kafka producers to be processed by Spark client and then inserted into MongoDB.
- Android Projects
 - Conceptualised and built an android application for pregnant women in rural Victoria using agile methodology in a team of 4. Tasks ranged from *interviewing* target group to finalise *user stories*, build design *prototype*, find and process open data and persist it in *AWS RDD* to be used in Android application with features like maintaining food diary, weight gain graph, finding nearby hospitals and sharing weight progress report as PDF over other application on phone.

ACHIEVEMENTS

- Received Certificate of Achievement from Monash University for building an authentic and innovative data driven information system, which is relevant to social issue in a team with IT industry executives and winning the expo for the same project.
- Received scholarship of 12k AUD from Monash university for master's degree
- Earned gold badge in online coding platform Hacker Rank for solving data structures and algorithm problems in Java.

VOLUNTEERING EXPERIENCE

- Was selected as one of the two Indian students to represent Monash in a seminar for candidates who has gotten offer letter from Monash University in India.
- Planned and hosted events as a member of Student Engaging Committee in university program.
- Mentored 10 new international students each for 3 semesters as part of Peer Mentor program.