

Parth Patel

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Software Developer

Technical Skills

- **Back-End:** Object Oriented Programming with Java, Java2EE, Spring Boot, Python, Bash Scripting
- **J2EE Technologies:** JSP, Servlet, JDBC, JPA, EJB, Hibernate, JAX-RS, Maven
- **Database Management Systems:** PostgreSQL, Oracle 11g, MySQL
- **Web-Technologies:** HTML5, CSS3, Bootstrap, AJAX, JavaScript (ES6), ReactJS
- **Software Tools:** Eclipse, NetBeans, PyCharm, pgAdmin4, MySQL Workbench, GitHub, Jira, Trello

Experience

Software Developer/Research Assistant

May 2019 - Present

Applied Research, Innovation and Entrepreneurship, Algonquin College

Ottawa, ON

Environment: Python, Django, HTML5, CSS3, Bootstrap, JavaScript, AJAX, PostgreSQL, GIT

- Experience in developing migrations of models, URLs and creating Django ORM queries
- Developed functionality to support different file formats (csv, ris) for uploading the project data
- Created JSON object that can consume by the client to represent data to the user
- Performed testing on a local server and staging server to make sure that task is completed with quality
- Used JIRA to help keep track of stories from one stage to another and utilized Git as a version control tool
- Actively participating in Agile SCRUM meetings and SPRINT planning
- Link to the website: <http://insightscope.ca/>

Associate Technician | Line Tech

Jul 2014 - Aug 2018

Abbott Point of Care

Ottawa, ON

- Performed preventive and maintenance on machines/systems and assist senior technicians with complex projects
- Involved in continuous improvements and attended meetings with senior engineers to discuss about technical issues

Projects

Banking System with JPA:

Environment: JPA, Maven, Postman, REST API, JAX-RS, H2

Nov 2019

- Developed the higher cardinality mappings such as 1:1, 1:M and M: N unidirectional and bidirectional relationship between different Entities and also used Inheritance structure
- Implemented 40 JUnit tests to test the system functionality such as creating accounts, properly inserting various relationships associated with that account and fetching the same from the database
- Use various types of query languages such as JPQL and Criteria Builder to implement the automated unit tests
- Implemented Rest API to allow users to Create, Update, Delete and Read their account and related information
- Added Postman Unit tests to test various API endpoints

CRUD web application:

June 2019

Environment: JSP, JPA, Hibernate, Servlet, Maven, JAVA

- Used Eclipse IDE to code, debug and test the CRUD web application
- Developed Hibernate POJO classes, Hibernate Configuration file, JPA and SQL for querying databases
- Used DAO for data access using Hibernate to fetch data from database
- Utilized Design Patterns including MVC and DAO and used Maven to manage software dependencies in the application

Portfolio

- I am currently working on ReactJS base Website. View my website at <http://pate0306.github.io/portfolio>

Education

Diploma: Computer Programmer, Algonquin College, GPA 3.69 /4

Jan 2018 - Dec 2019

Diploma: Electro-Mechanical Engineering Technician – Robotics, Algonquin College

Jan 2013 - Apr 2014

Bachelor of Engineering in Instrumentations and Control, AITS, India

Jul 2007 - Jun 2011