

# Daniel Paul

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## **SUMMARY**

- Experienced with full software development life cycle (SDLC) which includes requirement gathering, analysis, Design, Development, Testing and Documentation.
- Proficient in technologies such as **Python, JavaScript, HTML, CSS** and **Bootstrap**.
- Experienced in developing web application based on **REST** web services.
- Relational databases like **MySQL, Oracle, SQLite**, and **PostgreSQL** databases.
- Experience with the uses of **NoSQL** platform, such as **MongoDB, PostgresDB**.
- Familiar with Version control system such as **GIT**.
- Knowledge of **UNIX/LINUX** internals and **Shell Scripting**.
- Experience in working with **Agile Methodologies (SCRUM)** and **ITIL Processes**.
- Used **Jira** for bug tracking and creating tasks.
- Proven ability to work in team environment as well as independently.
- Helped teammates to solve the problem and created documentation to resolve the issues for future use.
- Mentored new recruits with knowledge transfer.
- Well versed with ServiceNow Incident and Request Management and SLA management.

## **TECHNICAL SKILLS AND CERTIFICATIONS**

<b>Web Frameworks:</b>	Flask
<b>Programming Languages:</b>	Python, JavaScript, HTML, CSS, Bootstrap
<b>Operating Systems</b>	Windows, Linux, UNIX, Mac OS X
<b>RDBMS</b>	MySQL, PostgreSQL, Oracle, SQLite
<b>Databases:</b>	SQLite, PostgreSQL, MySQL, MongoDB
<b>Application Tools:</b>	GitHub
<b>Development Tools:</b>	PyCharm, Eclipse, Visual Studio Code

## **EDUCATION**

**State University of New York at Binghamton**

**Aug 19 - May 21**

**Master's in Computer Science**

**Coursework:** Computer Architecture, Data Mining, Programming Languages, Design and Analysis of Algorithms, Operating systems, Database Systems, Internet of Things, Data Science, Software Engineering and Project Management

**Jawaharlal Nehru Technological University | Karimnagar, India**

**Aug 10 - May 14**

**Bachelor's in Information Technology**

**Electives:** C and Data Structures, Object Oriented Programming, Computer Networks, Operating Systems, Software Engineering, Linux Programming, Principles of Programming Languages, Network Security

## PROFESSIONAL EXPERIENCE

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### Senior Analyst | Dell International Services | Hyderabad, India

*Apr 17 - July 19*

- Used Flask Framework to build REST API.
- Managed large datasets using Panda, Numpy, FuzzyWuzzy, data frames.
- Composing python script and run it through Jenkins jobs.
- Responsible to test application end to end on Unit Testing
- Setup automated CRON jobs to upload data into database.
- Utilized Anaconda and Spyder as IDE for creating application.
- Participating in daily scrum meeting to discuss roadmap and roadblocks.
- Worked on version control systems like GIT.
- Designed and coded several systems that allowed us to communicate with clients and vendors as well as created internal processes for business functionality and internal auditing.
- Analyzed architecture, relationship between systems, and systems flow of end-to-end designs.
- Created and modified complex SQL queries for Oracle 9i to Oracle 12c, which required retrieving data from several schemas. Responsible for managing large databases using Oracle.
- Developed systems and applications using complex algorithms to deliver business functions or architectural components which improves design & mapping form to function.
- Active participation in team to build and modify features as per requirement.
- Developed system architecture that improves design & mapping form to function.
- Excelled at Root Cause Analysis and management of technological issues for assigned project.
- Identification and implementation of the crucial code improvements resulting in application performance tuning and code quality improvements by at least 30%.
- Understand business logic to achieve project goals.
- Created Python Rest API to display data using Postgres database.
- Created server-side logic to interact with user interfaces.
- Developed microservices and Web Service.
- Creating templates using JavaScript for end users.

### Associate Professional | DXC Technologies | Hyderabad India

**Nov 14-Apr 17**

- Composed python scripts to automate the OS Patching scheduling and maintenance.
- Responsible for creating Restful API and testing it to meet the functionality and performance.
- Responsible for testing database validations for data showing on UI.
- Programmed, tested, and implemented a user login, product registration, order placing & tracking.
- Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
- Experienced in developing and executing manual and automated tests in different platforms using Pytest/Unittest
- Use Linux commands for troubleshooting and configurations.

- Designed REST/HTTP APIs, including JSON data formats and API versioning strategy.
- Responsible for managing large databases using Oracle DB.
- Familiar with Docker-API
- Experience on multi-threading, data structures, algorithms, object-oriented design, design patterns and distributed systems

## **ACHIEVEMENTS AND AWARDS**

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- Winner of the annual Dell Champion Award for exceptional services at DELL EMC
- HONOUR award received in DXC Technologies for aspiration in achieving results beneficial to the organization

## **ACADEMIC PROJECTS**

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### **Microprocessor Pipeline Simulator (C- Language)**

- Built a modern out-of-order execution pipeline simulator in C language which takes a sequence of assembly instructions and portrays cycle- by-cycle execution. Supports multiple FUs, ROB, branching and memory instructions.

### **Data Science Pipeline Project in Social Media**

- Created a pipeline project using data science concepts by collecting data from social media platforms like Twitter using Python and storing data using MongoDB. Project showcases sentimental analysis using a dashboard created in PowerBI

### **Favorite Quotes WebApp**

- Created a Web Application to display favorite quotes provided by user.
- Flask and Jinja micro web framework written in Python and Bootstrap HTML| CSS| JavaScript framework for building a responsive website with data stored in PostgresDB