

Jonathan Chacko

Grimsby, ON, Canada | [+1 \(365\) 384-2257](tel:+13653842257) | jonathanchacko1805@gmail.com | [linkedin.com/in/jcp-tech/](https://www.linkedin.com/in/jcp-tech/) | github.com/jcp99gamers/

PROFILE

- Bachelor of Computer Application Graduate with 2 Years of Working Experience
- High level of research, technical and problem-solving skills.
- Detail-oriented and able to learn new concepts quickly.
- Strong adaptability and exceptional interpersonal skills.
- Adept at working effectively unsupervised and quickly mastering new skills.
- Strong in Automation and Data Science.

SKILLS

- **Programming Languages:** Python, Java, C++
- **Database Systems:** MySQL, SQLite, Firebase Firestore/Realtime Database
- **Cloud:** Google Cloud Services
- **Testing Frameworks & Tools:** Selenium, BeautifulSoup, J-Soup
- **GUI & Web Development Frameworks:** Django, Python Tkinter, Java Swing, Android Development with Java
- **Operating Systems:** Windows, Linux
- **Web Hosting Servers/Services:** cPanel, Firebase Hosting
- **IDE's:** Visual Studio Code, IntelliJ, Eclipse, Android Studio
- **Others:** GIT, Raspberry Pi, Windows Subsystem for Linux (WSL), Putty, Power Automate, GitHub
- **Continued Learning:** Power BI, Postman, AWS, Video Editing, KNIME (*Note- Fields which I have Knowledge but no Practical opportunity Yet.*)

PROFESSIONAL EXPERIENCE

Maritime Support Solutions

June 2023 – Till date

Software Developer – Automation (*Currently based in Canada working remotely*)

Maritime Support Solutions is an ISO 27001 certified back-office services provider focused on the Shipping Liner Agencies in the middle east. The task assigned was to create a system that would streamline the working processes and eliminate errors during these processes. My reporting line was directly to the Director of Technical Solutions since he headed the project. The system can be summarized as below:

Project: MSS Automation

- The Modular System created to Automate the Dataflow for Liner/Liner Agents in the Shipping Industry for their Imports, Inventory, Exports & Transshipment of Containers.
- The Software Includes Multiple Tools & Checks which Optimizes the Time to Process Data and Minimize Human Input/Error.
- It Has the Capability to take data from Any Format PDF, Excel, CSV, and More and provide the Users the data to finish all the processes and retrieve reports in the pr-defined formats.
- Additionally, it comes with the possibility to receive or send data through APIs to third party systems. The implemented ones include Power BI for MIS purposes.

Project Responsibilities:

- Understanding Variations of the Data for Different Purposes & from Different Sources or Format's
- Structure the Database Tables to Include all Possible Columns used to create any report.
- Create the Tools to Process the Data into a Centralized Database & Do the Necessary Check's on Data to Reduce Error
- Create the Tools to Convert the Data into the Required Reports with all Processing and Calculations Done
- Send the Data to Power BI Designed for Client
- The Location of Kuwait was Used as the Template. Currently adding other Locations requires understanding the Variations in the Data & Make add-on Systems to Accommodate and Optimize the Data Flow.

Environment, Tools, Standards, Protocols, Frameworks and Technologies:

Python, Django, MySQL, cPanel, HTML, CSS, JS, JSON,
Firebase, Selenium, Google Vision & Various Other Python Libraries.

Additional Roles & Responsibilities:

- Assumed the position of Global IT for the organization & its partner companies.
- Handled multiple roles with responsibilities including software design, software development, planning and implementation.
- Understand the organizational structure & IT infrastructure and create the documents necessary for the company to obtain ISO 27001 Certificate.
- Communication with vendors for procurement & setup of IT hardware & software's necessary for the company
- Managing all partner companies Email ID's using the portal of Microsoft Admin Domain.

Rogersoft, Kochi, India

January 2023 – August 2023

Professional IT Trainer**Roles and responsibilities:**

- Introduce students to the subject and guide them through the syllabus.
- From the start personalize the course content for the students and help them understand it.
- Recommend and guide them through creation of unique projects which they could use in their own lives but also showcases that they are able to utilize the course contents they learnt.

Subjects: [Class-Notes.git](#)

- Python
- Django
- Data Science
- SQL
- Statistics

Environment, Tools, Standards, Protocols, Frameworks and Technologies: Varies as per Each Student and their Course Selected.

Viral Fission, Pune, India

April 2022 – June 2022

Campus Coordinator**Roles and responsibilities:**

- Organized & Managed Gaming Events with the College and the VF Partner GGN (Good Game Nation)

Bohatee, Pune, India

January 2022 – July 2023

Mobile Application Developer**Goal of Startup:**

- Our startup was born out of a desire to help small shopkeepers in India who lacked access to expensive POS systems. We developed a mobile app providing a cheap and accessible inventory management solution, including barcode scanning and automated item identification. While the app itself is free, we leverage the collected data to become a wholesaler. By analyzing trends within this data, we gain valuable insights to better serve these shopkeepers.

Environment, Tools, Standards, Protocols, Frameworks and Technologies: Android Studio, Java, XML, J-Soup, Selenium

ACADAMIC & ADDITIONAL PROJECTS DONE

#	Project Title	Project Description	Tools / Software used for development
1.	Auction & Bidding System	It was a Project where with Python I Displayed the Capabilities of using Firebase Firestore as a Database. This was Done to Show CRUD in Python with Firebase but If Implemented This could be Used as an Easy-to-Use Bidding System which can be Accessed anywhere.	Python, Firebase Firestore
2.	Author P.C.	It Started as a Web Scraper which was Supposed to Scrape the Data of a Particular Author who Writes Articles then it Developed into Testing out GitHub Action's to Create an Automated Notification System Which Notifies the User if the Autor has Posted any More Articles Online & Also Compiles Summary of all Articles in a README.md	Python, beautifulsoup4, GitHub Actions, YML
3.	Firebase CV Hosting	Used Firebase Hosting to Show how easy it is to Host Static Websites Online & Published the Steps on Medium. Blog Link = https://medium.com/@mahimabiswas002/hosting-your-cv-on-firebase-91dff72310e8	HTML, CSS, Firebase Hosting
4.	NAS Server	<ul style="list-style-type: none"> a. TrueNAS – Initially Tried to Create a NAS Server as a Project for the University in Network Class using my ACER LAPTOP to hold the OS. b. OMV NAS – Realized that TrueNAS wasn't Practical daily because I required to Use my Personal Laptop so instead, I used Open Media Vault NAS on my Raspberry PI. 	Linux
5.	Raspberry PI Projects	Home Automation System <ul style="list-style-type: none"> - Philips WiZ Lights Auto Control System - Security Camera repurposed to Number Plate Recognition Garage Opener - Local Chat Room Server 	TP-Link Tapo Camera, Philips Wiz Bulb, Raspberry PI 4b, Python
6.	Android App Money Manager	Created a Mobile Application which Allowed Users to Calculate their Monthly Expenses and Split it with Friends.	HTML, CSS, JS, Firebase, Android Studio, Java, XML
7.	Medical Billing System	Created a Medical Inventory Management and Billing System for Users to Use Including a Barcode Scanner which the User can Utilize to Scan the Items QR Code and Do the Billing More Efficiently.	Java, XML, SQLite, Android Studio
8.	Power Automate Project	To Test Out the Capabilities of Power Automate I compiled a Simple System which Prompts User to Select a File and Depending on File Extension it Decides on How to Run the File.	Power Automate

9.	Android Mini Projects	Calculator, Login System	Java, XML, SQLite, Android Studio
10.	Java Swing Projects	Notepad, Tic-Tac-Toe Game, Currency Convertor, Metric Convertor	Java, Java Swing

EDUCATION & CERTIFICATIONS

- **Bachelor of Computer Applications (BCA):** Symbiosis, Pune, India (2023)