


JOHANAN ABHISHEK PRABHURAI

Software Developer

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Recent graduate in Master of Applied Computer Science followed by 1 year experience as a Software Developer. Learnt to be flexible, adapt new technology stacks and always eager to learn something new.

EXPERIENCE

SOFTWARE DEVELOPER

MAGNET FORENSICS
JUNE 2022 – JUNE 2023

- Developed front-end pages a windows-based desktop application using **WPF** UI framework based on UI/UX designs.
- Adhered to company's workflow and standards of coding, that included **S.O.L.I.D principles, design patterns, MVVM** architectural pattern to develop **C#** code along with **test coverage** and documentation.
- Supported customers, which involved **troubleshooting, debugging** on production environments, and building beta versions to address certain use cases.
- Collaborated with the product owner, testers, and the team to comprehend user stories and scenarios, design planning, and retrospectives in an **AGILE** environment.

SOFTWARE DEVELOPER CO-OP

MAGNET FORENSICS
JAN 2022 – APRIL 2022

- Worked with the team to add a new feature to a windows-based desktop application that **improved** the application's **malware detection** ability.
- Created modular, reusable **C#** code covered by unit tests that conformed to the company's standards.
- Fixed bugs that improved the quality and performance of the application.

ASSOCIATE CONSULTANT

CAPGEMINI
MAY 2020 – NOVEMBER 2020

- Worked on analyzing data (using **Hive/ MySQL**), developing **ETL jobs** (using **PySpark**) in a distributed **Hadoop** system hosted on **Linux** servers, which resulted in **98% accuracy** and **2x faster** compared to the old solution.
- Developed an **ETL pipeline** with the help of **Airflow**, which automated the process and **increased the performance by 20%**.

SENIOR ANALYST

CAPGEMINI
MAY 2019 – APRIL 2020

- Designed **AWS glue jobs** that could process data from **AWS S3**.
- Created a framework capable of handling tables and their structures in **AWS Athena** and **AWS Redshift**, that took care of creating/updating tables without any manual intervention. This **increased the work efficiency** of the team **by 10%**.

JUNIOR ANALYST

CAPGEMINI
JUNE 2018 – APRIL 2019

- Trained in **Informatica (ETL tool), Tableau, Python**. Cleared the training and was converted into a full-time employee.
- Implemented a **Zephyr Enterprise SDK** for Python, to manage and configure the services of **Zephyr Test Management Tool**.

EDUCATION

MASTER OF APPLIED COMPUTER SCIENCE

Dalhousie University | Jan 2021 – May 2022

PROJECTS

STOCKI5 using Java [↗](#)

A stock market simulator web app with a test-driven approach, emphasizing SOLID principles and design patterns.

- Contributed to developing a user module with email and OTP verification capabilities.
- Implemented functionality for preserving historical stock data.
- Developed utility classes for tasks like email handling and database connections.

Distributed Database using Java and GCP [↗](#)

A simple distributed database and its associated management system created using GCP and Java's Data Structures, all without relying on external libraries.

- Architected the server-client communication framework.
- Developed the logic for executing INSERT and DROP queries.

QuestionMark.com using AWS and Java [↗](#)

A simple Question and Answer forum, SaaS web application crafted and hosted on AWS cloud services.

- Developed a functionality enabling users to positively or negatively rate questions and answers.
- Utilized AWS services including AWS SNS, AWS RDS, AWS Elastic Beanstalk, and AWS VPC for project deployment.

MarkIT using MERN stack [↗](#)

A comprehensive employment management portal that supports academic institutions to appoint educational assistants for the courses delivered during an academic term.

- Participated in requirements gathering and design planning, which involved creating UI/UX designs and database modeling for the website.
- I independently designed and implemented a feature, handling both front-end and back-end development, which encompassed the creation of RESTful APIs.

HalifaxFoodie using AWS and GCP [↗](#)

Food Delivery System using multi-cloud and Backend as-a-service (BaaS). The main aim of this application is to a virtual assistance online to all the registered customers to get their questions answered.

- I was responsible for developing a machine learning module using AutoML Natural Language, which is utilized to identify similar dishes based on the user's selection.

SKILLS

Programming languages Python, Java, C#

Databases MySQL, MongoDB

Version Control Git

Cloud technologies AWS: S3, Lambda, Athena, Redshift, EC2