Mohamed Nashath

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Professional Profile

Self-motivated individual with a Master's in Information Technology specialized in Software Design and Development at Charles Sturt University, Melbourne and a Bachelor of Science in Computer Science at the University of Colombo, Sri Lanka. Having around 4.5 years of experience as a Software Engineer, and currently working as a Software Engineer in Melbourne, Australia for a private IT consultation company.

Key Skills Summary

- **Programming Languages**: Python, PHP, Java, C
- **Web Technologies**: HTML, CSS, Bootstrap, JavaScript, jQuery, NodeJS, ReactJS, Angular, AJAX, JSON, REST Webservices
- **Frameworks**: Django, Flask, JSF, Prime faces, Hibernate, Spring,
- **Data Management**: MySQL/RDBMS, MongoDB/NoSQL, SQLite, Master/Slave Replication, MySQL dumps, AWS RDS
- **Build Automation Tool**: Docker, Git, Ansible, Apache Maven, GitLab, GitHub, Linux CRON Job
- **Operating Systems**: Linux (Ubuntu, Fedora, Manjaro), MacOS, Windows
- **IDEs and Tools**: VS Code, Eclipse, NetBeans, JBOSS Red Hat, TIBCO Jaspersoft Studio, MySQL Workbench, PyCharm
- **Cloud Technologies:** AWS, Microsoft Azure
- **Scripting Technologies:** Bash, Shell Scripting
- **Virtualizing Technologies:** VMWare ESXi Hypervisor, VMWare Fusion, VSPhere Client, VMWare VCenter, Oracle Virtual Box
- **Networking Skills:** CCNA, TCP/IP, SSH, Telnet, Ping, Cisco Routers, Switches, Firewalls, Wireless AP, WLC, Subnet and DNS

Education

Professional Year Program   **Apr 2020 – Mar 2021**
Performance Education, Melbourne, Australia
Key Subjects – Australian Business Culture, Environment and Workplace Skills, Professional Business Communication, Professional Workplace Writing, Professional Workplace Communication

Master in Information Technology (Software Design & Development)   **Nov 2017 – Nov 2019**
Charles Sturt University, Melbourne, Australia
Achievements – GPA 5.25 out of 7.00, Distinction in Programming in Java 1, Database Systems, Programming Principles (Python),Interface Usability, Professional Programming Practice (GIT).

B.Sc. in Computer Science   **Feb 2014 – Mar 2017**
University of Colombo School of Computing, Colombo, Sri Lanka
Achievements – GPA 3.15 out of 4.00, Meritorious in Information System Security, Software Quality Assurance, Human Computer Interaction, Software Engineering 3, Group Project 1, Group Project 2.

Academic Project

Cloud Computing in Banking Sector – Research Project   **Mar 2019 – Jun 2019**
Charles Sturt University, Melbourne

This project was entirely based upon the workplace environment of the banks considering the various way by which the cloud services would be benefiting the organization along with understanding the various security and other issues that are likely to be faced while using the cloud computing environment.

Objective: The objective of this project is to understand the ways by which the banks would be using the cloud computing environment. Besides this, the object also includes the understanding of the various virtual applications that are being provided by the cloud providers to facilitate the different process of the bank. Besides this, the different issues that are likely to arise are also to be understood as well along with the benefits.

Tools: The scope of this project does not include any kind of practical works. However, the thing that is mainly included is researching the banking sector to understand the extent of the acceptance of the various cloud computing services.

Duties:	As an individual project, the entire project was completed from initialization to final report delivery by researching different articles, books, research papers and conducting personal interviews with experts.
Outcome:	A final report with a class presentation meeting the complete objective with the conclusion of overall banking operation would get security, flexibility, reliability and credibility with the incorporation of cloud computing technology in their overall operations.

Industrial Project

Call Detail Record (CDR) Billing System.   Jan 2023 – Apr 2023
CTM Professional Services Pty Ltd, Melbourne, Australia

Python based web application developed using Django framework. This system was developed for finance department to generate telephony invoices for CTM's customers by downloading and extracting the raw data from the (Windows Secure Copy) WinSCP system.

Tech:	Python, Django, Linux (Ubuntu), HTML, Jinja2, LibreOffice, PyCharm, Github, SFTP,
Duties:	As a part of a team of 3, my role was leading the implementation team and developing modules for specific business functions and reviewing the source code, fixing the issues and deploying the system.
Outcome:	A complete working web application available to access only for internal staffs.
Result:	Met stakeholder requirements and pain points.

Employment History

Software Engineer   Aug 2021 – Present
CTM Professional Services Pty Ltd, Melbourne, Australia
Tools and Tech: Python, Django, PHP, iTop - ITSM, CSS, XML, HTML, AJAX, MySQL, Apache, NGINX, GIT, Cisco & Force Point VPN, CCNA
- Working on multiple internal and external projects.
- Managing DevTest and Production VMWare ESXi hosts of Linux virtual machines.
- Creating and decommissioning the VMs as needed.
- Following change processes for deployment of new internal and customer systems as well as version releases.
- Mentoring interns and reporting to operations manager.

Software Engineer - Internship   Apr 2020 – Jul 2020
CTM Professional Services Pty Ltd, Docklands, Australia
Tools and Tech: iTop - ITSM, Python, PHP, CSS, XML, HTML, SQL Alchemy, MySQL, Apache, GIT, Cisco Routers.
- Increasing customer satisfaction by 10% by Implementing individual modules.
- Implementing new change requests based on the priority.
- Reducing the complexity of the program by ~20% by developing business functions in a simple method.
- Increasing system performance by ~25% by reviewing system source code.

Associate Software Engineer   Mar 2017 – Nov 2017
Inova IT Systems (PVT) Ltd, Colombo, Sri Lanka
Tools and Tech: Java, Spring MVC, JSF, Prime Face, Maven, Hibernate, MySQL, Apache Tomcat, Tortoise SVN.
- Coding Individual programs.
- Reducing the complexity of the program by ~20% by developing business functions in a simple method.
- Increasing system performance by ~10% by reviewing system source code.
- Reducing system's report generation time by ~50% by intruding Jasper report generation techniques.
- Increasing product awareness by mentoring interns and giving community and tech talk sessions.

Achievement –
- Awarded employee of the month for delivering the system modules before the due date.
- Contributed in giving technical sessions for university intern students.

Junior Software Engineer   Sep 2016 – Mar 2017
Inova IT Systems (PVT) Ltd, Colombo, Sri Lanka
Tools and Tech: Java, Spring MVC, JSF, Prime Face, Maven, Hibernate, MySQL, Apache Tomcat, Tortoise SVN.
- Involved in System design and development task under the supervision of senior consultants.
- Worked on multiple internal and external projects and attended technical training programs.

Volunteer Work

Volunteer – Linux Conference Australia   **Feb 2016 – Feb 2016**
Linux Conf Au, Melbourne, Australia
Linux.conf.au is a conference with a focus on Linux and the community that has built up around it and the values that it represents.
As it is a deeply technical conference, I was here as an attendee for experiencing inner workings of the Linuxkernel to the inner workings of dealing with communities.

Volunteer – PyCon Canada 2016   **Nov 2016 – Nov 2016**
PyCon Canada, Toronto, Canada
PyCon Canada is annual python developer conference. I was there as an attendee to learn more about python's new version
release as well as to meet the people from all around the world who are professionals in python.

Volunteer - Google I/O   **May 2015 – May 2015**
Google Inc, San Francisco, United States
Google I/O is an annual developer conference held by Google in Mountain View, California. I/O was inaugurated in 2008 and is organized by the executive team. "I/O" stands for input/output, as well as the slogan "Innovation in the Open". I was there as an attendee for experienced developers, designers, and others who are passionate about technology and Google's next steps and learn about their projects, companies, and goals. It's great talking to people with different perspectives.

Personal Attributes

- Excellent teamwork skills, as contributed through 4.5 years of experience in software engineering.
- Strong time management and organizational skills developed through an entirely professional environment.
- Great communication skills developed through 4.5 years of professional environment.

Certifications and Licenses

- Crash Course Python from Google.
- Learning Git & GitHub from LinkedIn
- Cisco Certified Network Associate (CCNA) from Cisco
- Fortinet Network Security Expert Level 1: Certified Associate from Fortinet

Hobbies and Interests

Sport: I have been playing soccer since school days and I'm a part of a soccer team which has practices on weekends.
Movies: I like movies of James Cameron where Avatar was my favorite and twice a month I go to the cinema for new movies.
Travelling: I have been to the United States and England in 2015, Canada in 2016 and Japan in 2017. I have a dream of visiting the Eiffel tower in Paris with my partner in future.
Reading: I like the British author J.K Rowling and the book Harry Potter and the Goblet of fire has written by the author is my favourite.
Music: I like South Indian Tamil music's and A.R Rahman is my favourite music director.

References

Available upon request.