**Afzal Ahmed Khan**

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**Professional Summary**

Experienced backend developer with **8.7 years** of expertise in **C, C++, SQL, Linux**, with a strong focus on **backend application development**, performance optimization, and workflow automation. Skilled in debugging complex issues using **GDB**, working in **Linux environments**, and collaborating with teams using **Git** and **Jira**. Proficient in **Python scripting**, **cloud migration using AWS**, and applying **object-oriented programming principles in C++.**

**Technical Skills**

* **Primary Languages:** C++
* **Other Languages:** C, Java, SQL, Pro\*C, Python
* **Cloud Platforms:** AWS (EC2, S3, Lambda, CloudWatch), GCP
* **Databases:** Oracle, MySQL
* **Tools & Technologies:** GDB, Git, Jira, Shell Scripting, Linux
* **Monitoring & Logging:** Splunk
* **Version Control:** Git, GitHub
* **CI/CD & Automation:** GitHub Actions, Jenkins
* **Methodologies:** Agile, Scrum
* **Others:** Object-Oriented Programming (OOP), Performance Optimization, Application Development

**Certifications**

* Google Cloud Platform – Associate Cloud Engineer
* Python Programming
* DevSecOps

**Work Experience**

**Senior Software Engineer | HCL Technologies**

Duration: January 2022 - Present

***Project: Experian Credit Reporting***

• Maintained and modified legacy C code for Experian's Credit Reporting system to address change requests and optimize performance.  
• Integrated C++ modules to enhance system functionality and improve performance.

• Ensured seamless integration and testing for stable application functionality.

***Project: Collection Advantage (AWS Migration)***

• Worked on Python-based backend scripts to migrate legacy systems to AWS cloud.

• Utilized AWS cloud services for deployment, improving scalability and performance.

• Collaborated with teams to streamline migration, ensuring minimal downtime.

**Software Engineer | 3i Infotech ltd**

Duration: March 2017 - January 2022

***Project: Customer Price Expectation***

• Designed and developed business logic for customer pricing module.  
• Developed key components using C++ to optimize processing speed and memory management.

• Improved data retrieval efficiency by 15% through optimized queries in Pro\*C.

***Project: ICICIDirect Prime***

• Developed logic for Prime subscription plans, increasing user adoption by 20%.

• Automated accounting workflows, reducing manual effort by 30%.

***Project: Database Optimization***

• Improved query performance, reducing execution time by 30%.  
• Refactored critical algorithms in C++ to further optimize database access and system efficiency.

• Enhanced system stability by optimizing database structures.

***Project: ICICIDirect PMS***

• Implemented PMS registration functionality, reducing customer onboarding time by 40%.

• Designed subscription and top-up workflows, ensuring smooth user experience.

**Education**

* Postgraduate Diploma in Advanced Computing (PG-DAC) - CDAC Mumbai, India (2016 - 2017)
* B.E. in Information Technology - Mohammed Haji Saboo Siddik College of Engineering (2012 - 2015)
* Diploma in Information Technology - Mohammed Haji Saboo Siddik Polytechnic (2009 - 2012)

**Strengths**

* Strong analytical and debugging skills.
* Adaptive team player with a keen willingness to learn new technologies.
* Proactive in improving system performance and reliability.