**Afzal Ahmed Khan**

khanafzalahmad22@gmail.com | 📱 +91 9867979717 | 📍 Mumbai, India

**Professional Summary**

Backend Developer with 8 years of experience, including hands-on expertise in **Python application development** and backend systems. Specializing in **Python, C, Pro\*C, C++, and SQL**, with a strong focus on **building scalable applications**, **database performance optimization**, and **workflow automation**. Skilled in debugging complex issues using **GDB**, working in **Linux/Unix environments**, and collaborating with teams using **Git** and **Jira**. Experienced in **cloud migration using AWS**, **Python scripting**, and implementing **object-oriented programming principles** in **C++**.

**Technical Skills**

* **Primary Language:** Python
* **Other Languages:** C, Pro\*C, C++
* **Operating Systems & Scripting:** Unix, Shell Scripting
* **Cloud Platforms:** AWS, GCP
* **Databases:** Oracle, MySQL
* **Version Control & Repositories:** Git, GitHub, Bitbucket
* **CI/CD & Automation:** GitHub Actions, DevOps Practices
* **Monitoring & Logging:** Splunk
* **Debugging & Development Tools:** GDB, Jira
* **Methodologies:** Agile, Scrum
* **Others:** Object-Oriented Programming (OOP), Performance Optimization, Application Development

**Certifications**

* Google Cloud Platform – Associate Cloud Engineer
* 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.  
• Converted core modules into Python to enhance system functionality and maintainability.  
• Ensured seamless integration and testing for stable application functionality.

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

• Developed Python-based backend scripts to support migration of legacy systems to AWS cloud.  
• Utilized AWS services for deployment, improving scalability and performance.  
• Collaborated with cross-functional 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.