

AYUSH VIMALKUMAR PATEL

SOFTWARE DEVELOPER

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Data-driven, dedicated, and innovative Software Developer with comprehensive experience in accelerating operations and enhancing the user experience through quality software solution architecture and innovative product deployment. Knowledgeable of scrum and agile methodologies and best practices for the full software development life cycle. Skilled in leading projects by leveraging deep technical expertise and understanding of system requirements, with a strong commitment to driving innovation and crafting solutions that address critical challenges and meet user needs. Adaptable to multiple demands and shifting priorities, efficiently managing tasks in a dynamic technical environment. Keenly adept at analyzing development issues, designing system specifications and standards, communicating with users to identify areas that need improvement, conducting systems analysis, and creating cutting-edge solutions.

CORE COMPETENCIES

Computer Science | Software Design, Development, & Testing | Project Management | Product Design & Development | Data Analytics | System Development | Software Development Lifecycle (SDLC) | Product Innovation | Quality Assurance | Problem-Solving | Technical Documentation | Communication Skills | Analytical Skills | Data Visualization | Data Analytics | Application Development | Troubleshooting & Optimization | Process Automation | Hardware & Software Knowledge | Accessibility Design | Database Systems Management | Coding & Programming | Information Technology | Cloud Computing | Artificial Intelligence | Data Structure | Data Algorithm | Machine Learning | Data Science | Component Architecture | Software Reliability & Quality

Technical Skills

- **Programming Languages:** Expertise in Python, Java, C#, and Kotlin; proficient in C, C++, R, and JavaScript.
- **Web Development:** Advanced skills in HTML, CSS, and JavaScript for responsive web design and user interface creation.
- **Database Management:** Proficient in SQL, PL-SQL, and database architecture, with a focus on data integrity and optimization.
- **Cloud Computing:** Experienced in deploying and managing applications on AWS and Heroku Server, emphasizing scalable cloud solutions.
- **Software Development:** Knowledgeable in .NET framework and XML, adept at creating robust software architectures.

EDUCATION

Bachelor of Science in Information Technology

– Charotar University of Science and Technology, Anand, India

July 2018- July 2021

Master of Science in Software Development & Engineering

– Pace University, New York, NY

May 2022 – December 2023

CERTIFICATIONS

- **Google's GenAI:** Advanced training in generative AI technologies and applications.
- **Communication Skills:** Certification in effective interpersonal and professional communication strategies.
- **Introduction to C++:** Comprehensive understanding of C++ programming fundamentals.
- **Java Programming:** Proficient in Java language, emphasizing application development and programming techniques.

RELEVANT SKILLSETS

PROGRAMMING AND MAINTENANCE

- Proficiently manage systems performance, provide tech support, review and update existing programs, identify and fix defects, support data architecture, generate reports, develop in-house software, and mitigate potential risks to avoid errors.
- Sufficient knowledge of designing and creating software programs, integrating systems and software, training end-users, analyzing algorithms, modifying source code, writing system instructions, debugging, and maintaining operating systems for end-users.
- Enhance the efficiency and cost-effectiveness of systems, resolve errors, and programs customized to our organization's needs.

ORGANIZATIONAL AND MANAGEMENT

- Analyze situations using coherent thinking while being focused on the assessment of details and ensuring to meet deadlines.
- Excellent in helping the team perform end-to-end troubleshooting for expert, knowledge-based, and other known systems.
- Maintain and improve the company's technical systems to ensure all employees have the technology they need to complete their work and the organization's essential files and information remain safe and intact for optimum security.

TROUBLESHOOTING AND SOFTWARE CONFIGURATION

- Refer to internal databases or external resources to provide accurate tech solutions to software issues and performance.

- Actively follow diagrams and written instructions to repair a fault or set up a system to ensure smooth outcome functioning.

DATA ANALYSIS

- Develop and implement data analyses, data collection systems, and other strategies that optimize statistical efficiency and quality.
- Professionally interpret data, analyzing results using different statistical techniques to come up with the desired data and results.
- Lead data acquisition from primary to secondary data sources and maintain databases for accurate record keeping and data flow.

PROFESSIONAL EXPERIENCE

Cloud Computing Intern – Acqubots Technologies Pvt. Ltd. | Anand, India

June 2020 – June 2021

- Designed, built, and maintained infrastructure and software platforms within cloud-based environments (i.e., AWS, Azure) using public cloud service models infrastructure-as-a-service and platform-as-a-service offerings.
- Successfully led the strategic migration of key on-premises services to cloud environments, utilizing advanced cloud migration and automation tools to enhance system efficiency and scalability.
- Expertly engineered and implemented robust, scalable cloud-based solutions, significantly enhancing system performance and reliability, while ensuring seamless integration with existing infrastructures.

PROJECTS

- Parkinsons Telemetering ML Project** (2023 – Present)
 - A Big Data project, achieving a 99% accuracy rate in monitoring Parkinson's disease symptoms, showcasing expertise in machine learning and data analytics.
- Cloud-Based Inventory Management System** (2022 – 2023)
 - Engineered a cloud-based inventory management system for a retail client, integrating real-time tracking and predictive analytics to optimize stock levels and reduce costs.
- AI-Powered Chatbot for Customer Service** (2022-2023)
 - Developed an AI-driven chatbot to enhance customer service interactions, utilizing natural language processing to provide accurate and timely responses to customer inquiries.
- filesIO - File Sharing Mobile Application with WIFI-Direct** (2020 – Present)
 - Developed an innovative mobile application enabling file sharing using WIFI-Direct technology, focusing on user-friendly design and robust performance.