

# Ajmal Yunus Mohmed Patel

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## Profile

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I'm a hardworking programmer who loves developing. I recently got certified in CS50's Computer Science for Business Professionals and I'm great at solving problems. Now, I'm looking for a job in the software industry where I can learn new things, use my skills and contribute with a lot of dedication to help the company succeed.

## Summary of Qualifications

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- **Computational Thinking**

Well-versed in basic computational thinking ideas such as binary representation, ASCII encoding, and abstraction. Programming skill to translate abstract thoughts into exact computer commands. Experienced in algorithmic problem solving, algorithmic complexity, and the implementation of efficient data structures such as arrays, linked lists, and hash tables. Demonstrates a deep understanding of practical applications, such as sorting algorithms, as well as the capacity to think like a computer scientist in order to handle complicated computational challenges.

- **Programming Languages**

Capable of turning everyday concepts into a variety of computer languages, each with its own syntax, vocabulary, and standards. To effectively educate computers, you must have a solid understanding of key programming components such as functions, loops, variables, and conditions. Extensive experience with both text-based languages such as C and higher-level languages such as Python. Skilled in coding, debugging, and using web resources for effective learning and problem-solving. Understanding of the fundamental principles of pseudo randomness, Boolean expressions, and the compilation process. Languages such as Ruby, LISP, Java, C++, C#, JavaScript, Haskell, R, and Swift show adaptability. A solid basis for understanding web development and communication on the Internet.

- **Internet Technologies**

Knowledgeable with the underlying protocols that govern computer communication, such as DHCP for device addressing and DNS for converting human-readable domain names to IP addresses. Understand the responsibilities of TCP and UDP protocols in guaranteeing reliable data delivery. Capable of tracing data pathways and identifying routers using tools such as Traceroute. Expertise in subsea cabling that connects global locations. TCP/IP proficiency is required to manage fair and efficient data flow. Experienced with HTTP, the web communication protocol, and its answers, including status codes such as 200 and 404. Capable of analyzing HTML for content and formatting on websites.

- **Web Development**

Experienced at designing HTML webpages and knowing the structure and function of tags. Skilled at using CSS to style web content, including the usage of classes and external style sheets for efficient design. Knowledge of JavaScript is required in order to improve webpage interactivity by utilising the Document Object Model (DOM) for dynamic content and user interaction. Experienced in form generation and validation, as well as guaranteeing data integrity on the client side. JavaScript can be used to validate and handle form submissions. Has a thorough understanding of web technologies as well as the foundations of scaling for larger applications. Eager to learn advanced web development techniques and keep up with market developments.

- **Technology Stacks**

Proficient in front-end technologies such as HTML, CSS, and JavaScript for creating dynamic webpages. Experienced in using JavaScript libraries and frameworks, such as Angular, Ember, and React, to automate typical coding processes. Back-end developer with experience in a variety of languages and frameworks, including Java, Go, .NET, PHP, Python, Ruby, Scala, Django, Flask, Laravel, Node.js, and Rails. Database expertise, notably in SQL, MariaDB, MongoDB, and NoSQL, with a focus on efficient data storage and retrieval. Knowledge of database design principles, normalization, and optimization. Well-versed in mobile application development, with an awareness of the choices and trade-offs between Android (Java) and iOS (Objective-C or Swift) development. Capable of making informed decisions based on project requirements, technology familiarity, and future scalability considerations.

- **Cloud Computing**

Excellent knowledge of cloud computing technologies, including Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). Extensive experience with key cloud platforms such as Amazon, Google, and Microsoft for scalable and efficient solutions. Skilled in load balancing, caching, and network optimization to improve web application performance and stability. To maximize resource utilization, be familiar with virtualization technologies such as virtual machines and containerization (e.g., Docker). Expertise in database management, including solutions such as vertical and horizontal scalability, sharding, replication, and data backup. Capable of negotiating the complexity of modern cloud architectures in order to construct solid and scalable solutions for a variety of web development difficulties.

## **Work Experience**

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**Tradekings Zambia**

June 2023 – July 2023

### **Web Developer**

- Created static sites using WordPress that were hosted by Google Cloud.
- Develop a modern UI using WordPress elementor.
- Developed new components and maintained significant web projects using the latest technologies.
- Developing management and leadership skills: With excellent communication skills, I could manage and train new employees.
- Software for creating and managing websites.
- Extensive knowledge of the WordPress control system.
- Design of web services.

## **Education**

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### **Primary Education**

Twatotela School [2009 – 2016] @ Emmasdale, Lusaka.

### **Secondary Education**

Shakespeare college [2017 – 2019] @ Villa, Lusaka.

### **BSc (Hons) Computing Degree**

ZCAS University [2022 – ongoing] @ Dedan Kimathi Rd, Lusaka.

## **Qualifications**

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### **Cyber Security (Short Course)**

eLearning College Certificate

### **Computer Science for Business Professionals**

CS50 (Cambridge) Certificate

### **HTML5 and CSS3**

Purple Certificate

### **Python Is Easy**

Purple Certificate

### **The Fundamentals of Digital Marketing**

Google Certificate

## **Contact**

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