Mohammed Olalekan Patrick

Full Stack Software Enginner/Software Architect

Highly skilled and experienced software engineer and software architect with over 5 years of expertise in designing and developing robust software solutions. Proficient in eliminating single points of failure, applying design patterns, and working with various data stores. Strong knowledge in CI tools, containerized infrastructure, and feature-level architecture. Adept at enhancing technical efficiencies through automation, focusing on performance, reliability, and production readiness.

Contact

Phone
08138329684

Email
mohammedola1234@gmail.com

Potfolios
https://patrick-seven.vercel.app/
https://folio11.vercel.app/

GitHub
github.com/patrickeinstein

Address

3 Idama Close, Ikosi Ketu Lagos
Nigeria

Education

2023
Bsc Biochemistry
University of Ibadan

2014
OND Electrical Einginering
The Polytechnic Ibadan

2023
Professional Certificate
Cousera

2017
Diploma
Cousera

Projects

- PelPay payment Gateway

- Utility Bills API

- Virtual Bank Accounts

Key Skills

Programming Languages : C#, Posgres, React, MongoDb, Javascript, Node.js, .NET, React, Typescript, SQL, HTML, Tailwind, Material UI, Web Socket , Next.js

Data Stores: SQL, NoSQL, AWS data services

CI/CD Tools: Git Actions, Jenkins

Containerization: Docker, Kubernetes, Red Hat OpenShift

Cloud Platforms: AWS, MainOne, IBM

Web Development: RESTful API development, Microservice architecture

Design Patterns: Singleton, Factory, Observer, Strategy

DevOps: Automation, CI/CD pipelines, Infrastructure as Code

Language

English

Yoruba

Professional Qualifications

- **Software Architecture**
- **Software Architecture Design Pattern**
- **Software Architecture Object Oriented Programming**
- **Software Architecture Service Oriented Architecture**
- **Containers w/ Docker, Kubernetes & OpenShift**
- **Application Development using Microservices and Serverless**
- **Cloud Computing**
- **Web Development with HTML, CSS, JavaScript**
- **Git and GitHub**
- **Developing Front-End Apps with React and Next js**
- **Developing Back-End Apps with Node.js and Express**
- **Python for Data Science, AI & Development**
- **AI Applications with Python and Flask**
- **Django Application Development with SQL and Databases**
- **Full Stack Software Developer Assessment**

Most Recent Experiences

2023 - Date
ChamsSwitch Ltd

Full Stack Software Manager

- Implementation of 3DS authentication,
- Integration of Switching Processing for payment gateways
- Integration of existing payment gateways including unified-payments, payarena, stripe, mastercard processing gateway service and Verve card
- Buliding of payment gateways including PelPay and ChamsPay
- Building Billings api for airtime and other utility bills
- Implemenation of virtual accounts for WEMA, UBA, SQUAD
- Implemenation of NIBSS mandate and pay-plus

- Architected and developed scalable software solutions, focusing on eliminating single points of failure and ensuring high availability.
- Applied various design patterns to solve complex software design problems and improve code maintainability.
- Led the implementation of a robust CI/CD pipeline using Git Actions and Jenkins, resulting in a 30% reduction in deployment times.
- Developed and maintained containerized applications using Docker and Kubernetes, improving scalability and deployment consistency.
- Engineered data solutions utilizing both SQL and NoSQL databases, optimizing performance and ensuring data integrity.
- Conducted thorough impact and performance analysis for all developed features, ensuring production readiness and reliability.

2022
Octave Incorporations

Lead Backend Engineer

- Building RESRful APIs that stores users banking transactions in their object profile,
- Built OTP generator and verifier to add to our 2FA authentication,
- Collaborated in integrating paystack,
- Designed data models for information storage into databases,
- Set up mailing system,

- Collaborated with cross-functional teams to design and implement microservice-based architectures.
- Contributed to the development and maintenance of RESTful APIs, enhancing system interoperability and data exchange.
- Utilized AWS services to deploy and manage cloud-based applications, improving scalability and reducing infrastructure costs.
- Automated testing, releasing, and deployment processes, leading to a significant increase in development efficiency.
- Provided technical direction and mentorship to junior developers, fostering a collaborative and growth-oriented environment.

2021
WebPips
Consulting Engineer

- Building a Coursa-like LMS from scratch single-handedly
- Led a team of developers in designing and implementing a high-performance, scalable web application using microservices architecture, resulting in a 40% increase in application responsiveness and user satisfaction.
- Spearheaded the integration of containerized infrastructure with Docker and Kubernetes, enhancing deployment efficiency and scalability.
- Developed and optimized RESTful APIs, improving data interchange between services and reducing latency by 25%.
- Played a key role in transitioning the team to a DevOps culture, implementing CI/CD pipelines with Jenkins and Git Actions, which reduced deployment times by 50% and minimized downtime.
- Engineered and managed SQL and NoSQL databases, ensuring data consistency and optimizing query performance.
- Identified and addressed single points of failure in existing systems, significantly enhancing system reliability and uptime.
- Provided comprehensive code reviews and technical mentorship, promoting best practices and continuous improvement among team members.
- Automated various testing, releasing, and deployment processes, resulting in streamlined workflows and increased development efficiency.
- Collaborated closely with product managers and stakeholders to align technical solutions with business goals and requirements, delivering features on time and within scope.
- Architected and developed a robust enterprise-level application, leveraging microservice architecture to enhance modularity and scalability.
- Implemented advanced design patterns, such as Factory and Observer, to solve complex software problems and improve system maintainability.
- Led the migration of legacy systems to cloud-based infrastructure on AWS, resulting in a 30% reduction in operational costs and improved system reliability.
- Developed and deployed containerized applications using Docker and Kubernetes, ensuring consistency across development, testing, and production environments.
- Established and maintained CI/CD pipelines with Git Actions and Jenkins, reducing the time required for testing and deployment by 40%.
- Conducted comprehensive performance and impact analysis for new features, ensuring they met production readiness criteria and optimized system performance.
- Automated repetitive tasks and processes, such as testing and deployment, significantly increasing development efficiency and reducing error rates.

Reference

Engr. Bayo Adeboyejo
CEO PBDesigns

Phone: 080-347-40048

Engr. Niyi Oladipo
CEO NYX HUB

Phone: +2348061385679

UNIVERSITY OF ALBERTA

Sep 8, 2024

Olalekan Patrick Mohammed

has successfully completed

Service-Oriented Architecture

an online non-credit course authorized by University of Alberta and offered through Coursera

Kenny Wong

Kenny Wong
Associate Professor
Computing Science, Faculty of Science

coursera

EDUCATION FOR EVERYONE · COURSE CERTIFICATE

Verify at:
https://coursera.org/verify/Z4MKZVR9EBU4
Coursera has confirmed the identity of this individual and their participation in the course.

UNIVERSITY OF ALBERTA

Jul 30, 2024

Olalekan Patrick Mohammed

has successfully completed

Design Patterns

an online non-credit course authorized by University of Alberta and offered through Coursera

Kenny Wong

Kenny Wong
Associate Professor
Computing Science, Faculty of Science

coursera

EDUCATION FOR EVERYONE · COURSE CERTIFICATE ·

Verify at:
https://coursera.org/verify/TBYY6YAWPPRC

UNIVERSITY OF ALBERTA

Aug 5, 2024

Olalekan Patrick Mohammed

has successfully completed

Software Architecture

an online non-credit course authorized by University of Alberta and offered through Coursera

Kenny Wong

Kenny Wong
Associate Professor
Computing Science, Faculty of Science

coursera

EDUCATION FOR EVERYONE · COURSE CERTIFICATE ·

IBM.

Jun 7, 2024

Olalekan Patrick Mohammed

has successfully completed

Introduction to Cloud Computing

an online non-credit course authorized by IBM and offered through Coursera

Rav Ahuja
Global Program Director,
Skills Network

IBM

Sep 13, 2024

Olalekan Patrick Mohammed

has successfully completed

Introduction to Containers w/ Docker, Kubernetes & OpenShift

an online non-credit course authorized by IBM and offered through Coursera

Alex Parker
Offering Manager for IBM Cloud Kubernetes Service
IBM

Upkar Lidder
Senior Software Engineer
IBM

Verify at:
https://coursera.org/verify/HBKCF8NSDI0U
Coursera has confirmed the identity of this individual and their
participation in the course.

coursera

Container & Kubernetes Essentials V2

ISSUED TO

Olalekan Mohammed

IBM Developer Skills Network

IBM

Container & Kubernetes Essentials V2

Powered By
coursera

IBM Digital Credential

Issued on: 13 SEP 2024
Issued by: Coursera | Authorized by: IBM
Verify: https://www.credly.com/go/CZDMB93e

Olalekan Patrick Mohammed

ID#: 71370cad-6ae3-41e2-b80b-692dc5fa72cb

Birth Date: 7 May 1994

mohammedola1234@gmail.com

www.credly.com/users/olalekan-mohammed

Introduction to Cloud Computing

Issued by: Coursera

Authorized by: IBM

Issued to: Olalekan Patrick Mohammed

Issued on: 8 June 2024

Description

This badge earner understands the basics of cloud technology and is able to describe cloud platforms and models including IaaS, PaaS, SaaS, and public, private and hybrid multiclouds. The badge earner is familiar with essentials of cloud applications and terms like Virtualization, VMs, Containers, Object Storage, Microservices, Serverless, Cloud Native, and DevOps. The individual has also gained hands-on experience at creating a cloud account and provisioning services on IBM Cloud.

udemy

CERTIFICATE

OF COMPLETION

THIS CERTIFICATE IS AWARDED TO

MOHAMMED OLALEKAN PATRICK

Parallel Programming with C# and .NET

Instructors : **Dmitri Nesteruk**

5.5 total hours

Certificate no :UC-4401d8d2-2009-4237-b781-d0ad94b204e0
Certificate url: ude.my/UC-4401d8d2-2009-4237-b781-d0ad94b204e0   **Ref: 0004**

udemy

CERTIFICATE

OF COMPLETION

THIS CERTIFICATE IS AWARDED TO

MOHAMMED OLALEKAN PATRICK

NODE JS

GraphQL, MongoDB, Socket.io,
Asynchronous Javascript,SQL TypeScript and Deno js

Instructors :   Andrei Neagoie, Adam Odziemkowski

46.5 total hours

Certificate no :UC-73566d4e-63da-404b-9040-77ce565a3590
Certificate url: ude.my/UC-73566d4e-63da-404b-9040-77ce565a3590   **Ref: 0004**

udemy

CERTIFICATE

OF COMPLETION

THIS CERTIFICATE IS AWARDED TO

MOHAMMED OLALEKAN PATRICK

.NET 8 WEB API DEVELOPMENT

Instructors : **Frank Liu**

26 total hours

Certificate no :UC-d9481b01-a2f6-40c2-90aa-ae9a6fd29155
Certificate url: ude.my/UC-d9481b01-a2f6-40c2-90aa-ae9a6fd29155

Ref: 0004

udemy

CERTIFICATE
OF COMPLETION
THIS CERTIFICATE IS AWARDED TO

MOHAMMED OLALEKAN PATRICK

UNDERSTANDING TYPESCRIPT

Instructors : **Maximilian Schwarzmuller**

15 total hours

Certificate no :UC-69a04cad-6a1c-499f-afc6-5dab0ec7ae7b
Certificate url: ude.my/UC-69a04cad-6a1c-499f-afc6-5dab0ec7ae7b   **Ref: 0004**

cutshort

This is to certify that

Olalekan Mohammed

has passed the skill validation for

HTML/CSS

Proficiency level

Basic

Skill evaluation method

Assessment test

Issued on **5th Jan 2023**   Valid till **5th Jan 2024**   Certificate ID **76975**

Verma

Authorized signatory

cutshort

This is to certify that

Olalekan Mohammed

has passed the skill validation for

React.js

Proficiency level	Skill evaluation method
Basic	**Assessment test**

NVerma

Authorized signatory

Issued on **9th Jan 2023**   Valid till **9th Jan 2024**   Certificate ID **77085**

View certificate details at **cutshort.io/c/77085**