

ABDOUL AZIZ DIOP

Senior Senior Software developer

SUMMARY

Innovative Senior Software and AI Engineer with 13+ years of experience across backend, frontend, mobile development, and system design. Skilled in Python, Node.js, PHP, C#, Java, cloud-native architectures, and modern frameworks including React, Next.js, Angular, React Native, and native Android. Experienced in building scalable applications, developer tools, and intelligent automation that improve SDLC efficiency. Strong background in CI/CD, OOP, performance optimization, and testing frameworks for high-impact engineering teams.

TECHNICAL SKILLS

Main Technical Skills	Spring (6 yr.), Django (6 yr.)
Programming Languages	Java (9 yr.)
Android Libraries and Tools	Android APIs (7 yr.)
JavaScript Frameworks	Angular (7 yr.), Express (8 yr.), Ext JS (7 yr.)
.NET Platform	ASP.NET MVC (6 yr.)
Python Frameworks	Django (6 yr.), Django REST framework
PHP Frameworks	Laravel (9 yr.)
Mobile Frameworks and Libraries	OneSignal (1 yr.)
JavaScript Libraries and Tools	React Native (7 yr.)
Java Frameworks	Spring (6 yr.)
Data Analysis and Visualization Technologies	k-NN (13 yr.)
Databases & Management Systems / ORM	MongoDB (6 yr.), MySQL, PostgreSQL
UI Frameworks, Libraries, and Browsers	Ant Design (13 yr.)
Cloud Platforms, Services & Computing	AWS
Azure Cloud Services	Azure DevOps (7 yr.), Azure MSSQL (6 yr.)
	Agile, FDD, OOP (13 yr.), Scrum



Methodologies, Paradigms and Patterns	
SDK / API and Integrations	Android APIs (7 yr.), Facebook Auth
Version Control	BitBucket, Git, Github Actions
Deployment, CI/CD & Administration	CI/CD (13 yr.), Jenkins (6 yr.)
Virtualization, Containers and Orchestration	Docker (7 yr.), Kubernetes
QA, Test Automation, Security	NUnit (1 yr.), xunit (1 yr.)
Blockchain and Decentralized Software	Optimism (13 yr.)
UI/UX/Wireframing	Prototyping (7 yr.)

WORK EXPERIENCE

Senior Software Engineer - MICROSOFT (Developer Tools and Intelligent Automation)

Duration: October 2024 – March 2025

Summary:

- Design and implementation of high-impact developer tools and intelligent automation systems to optimize the software development lifecycle (SDLC) and enhance internal engineer productivity
- The project includes building cloud-native backend services and real-time intelligent automation systems to improve developer experience

Responsibilities:

- Design and implement developer tools and intelligent automation in C#.
- Build cloud-native backend services and real-time automation using RESTful APIs and SignalR.
- Implement intelligent testing initiatives using xUnit and NUnit.
- Manage CI/CD pipelines and containerized environments with Azure DevOps and Docker.

Technologies: C#, RESTful API, SignalR, xUnit, NUnit, Azure DevOps, Docker, cloud-native architectures

Senior Software Engineer - KOUBRAH (Cloud-Native Backend Infrastructure and Developer-Centric Enterprise Applications)

Duration: March 2018 – August 2024

Summary:

- Design and development of scalable cloud-native backend infrastructures and enterprise applications focused on improving system performance and developer experience



- The project involved complex data storage solutions and system design strategies to support thousands of users

Responsibilities:

- Design scalable cloud-native backend infrastructures using OOP principles.
- Implement data storage solutions with MSSQL and MongoDB.
- Manage CI/CD pipelines with Azure DevOps and Docker to optimize the SDLC.
- Mentor teams on code quality and lead intelligent testing initiatives.

Technologies: MSSQL, MongoDB, Azure DevOps, Docker, Object-Oriented Programming (OOP), cloud-native architectures

Senior Full Stack Engineer - KICKFIN (Distributed System Design for Financial Transactions)

Duration: June 2015 – February 2018

Summary:

- Architecture and maintenance of complex distributed systems supporting high-volume financial transactions
- The project focused on secure API implementation, high-availability backend development, and performance optimization to ensure zero downtime during peak traffic

Responsibilities:

- Architect and maintain distributed system designs using React and C#.
- Implement secure APIs and backend development patterns for high availability.
- Optimize performance across the full stack to reduce server response time.

Technologies: React, C#, cloud-native infrastructures

Full Stack Developer - HAWKSEARCH (Search-Driven Backend Systems)

Duration: August 2012 – May 2015

Summary:

- Development and optimization of search-driven backend systems to improve search response times
- The project included implementing complex query optimizations and automated CI/CD pipelines to accelerate deployment cycles

Responsibilities:

- Build and optimize backend systems using Java and ASP.NET.
- Implement automated Jenkins CI/CD pipelines.
- Mentor junior developers on OOP best practices and code maintainability.

Technologies: Java, ASP.NET, Jenkins, CI/CD, Object-Oriented Programming (OOP)

EDUCATION

- **Bachelor's degree in Computer Science**
Texas State University
January 2007 – January 2011



CERTIFICATION

- **Professional Scrum Master I**
Scrum.org, <https://www.scrum.org/certificates/619751>
Issued Jan 2023
- **Professional Scrum Master™ I (PSM I)**
Scrum.org, <https://www.credly.com/badges/c17f10ff-c0a4-4356-a0bd-a5d8d61bfc6b>
Issued Jan 2023
- **AWS Certified Solutions Architect – Associate**
Amazon Web Services (AWS), <https://www.credly.com/badges/e04feea2-704d-4788-8d12-55b403e5ec9e>
Issued Oct 2021 · Expired Oct 2025
- **Certified SAFe® 5 Scrum Master**
Scaled Agile, Inc., <https://www.credly.com/badges/167ad36f-a23e-4b2e-8d70-0b82b459ecd0>
Issued Feb 2024

