

FIRANOL ABDISA

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FULL STACK SOFTWARE DEVELOPER

Full Stack Developer with over 5 years of experience delivering scalable enterprise solutions in industries like Healthcare, Telecom, and Energy. Proficient in frontend and backend technologies, software optimization, testing, automation, cloud integration, and team leadership. Skilled in React, AngularJS, Node.js, Spring Boot, Django, MongoDB, AWS, Azure, Docker, and Kubernetes. Experienced in agile development and cross-functional collaboration to enhance productivity and satisfaction.

- SOLID • Cloud Technologies • SDLC • Software Architecture • Design Patterns • CI/CD
- Database Development • API Design & Development • Technical Documentation • Communication Skills

Languages: Java, Python, C++, JavaScript, SQL

Web: HTML, HTML5, CSS, CSS3, TypeScript, React, Bootstrap, jQuery

Web Services: REST, SOAP, GraphQL, gRPC, XML, JSON

Web/App Servers: Apache, Tomcat, WebLogic, Nginx, AWS Lambda

Frameworks: AngularJS, Spring, Spring Boot, Node.js, Express.js, Hibernate, JPA, Django

Databases: MySQL, PostgreSQL, MongoDB, Redis, Amazon Redshift

Design Patterns: Singleton, Decorator, Command, Factory, Observer, Dependency Injection

SDLC: Agile (Scrum, Kanban), DevOps CI/CD Pipelines

Tools: Maven, Gradle, Ant, Docker, Git, Jenkins, Kubernetes, Ansible, Terraform, JUnit, Selenium, JIRA, Postman, AWS (EC2, S3, Lambda), Nginx, Azure (App Service, Functions)

Platforms: AWS, Azure, Google Cloud Platform (GCP), Linux, Windows, MacOS,

Big Data: Hadoop, Apache Spark, Hive, Pig, Kafka

Application/Software: Salesforce, SAP, Microsoft Power BI, Tableau

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

SAMA, Nairobi, Kenya • 08/2022 – 04/2024

Sama is a leading provider of AI-powered data solutions and technology services.

Full Stack Developer

Worked on technical and architectural development of scalable SaaS solutions, setting up, guiding, and managing a team of developers to ensure high-quality software delivery and continuous improvement in project execution.

- Developed scalable cloud-based web applications using React.js, Next.js, and Node.js, enhancing system performance by 35%.
- Built REST APIs to integrate machine learning models for predictive inventory analytics using Python and Flask, resulting in a 20% improvement in inventory forecasting accuracy.
- Developed microservices for real-time data processing and reporting using Spring Boot and Kafka, handling over 1 million transactions daily with 99.9% uptime.
- Defined project goals and led the integration of AWS (EC2, S3) and Azure (App Services, DevOps) for secure, scalable cloud-based deployments, enabling seamless collaboration and reducing infrastructure costs.
- Designed and developed the dashboard and analytics user interfaces using AngularJS, delivering an intuitive and responsive design that increased user engagement by 35%.

Technologies Used: Java, JavaScript, Python, Flask, React.js, Next.js, Node.js, Spring Boot, AngularJS, REST, GraphQL, AWS (EC2, S3), Azure (App Services, DevOps), Docker, Jenkins, Hibernate, Kafka, Git, SQL.

CONCENTRIX, Kuala Lumpur, Malaysia, Malaysia • 07/2020 – 07/2022

Concentrix is a technology startup that aims to simplify online checkout experiences.

Software Engineer

Collaborated with cross-functional teams to design, develop, and maintain scalable solutions for e-commerce applications.

- Redesigned critical components of the checkout process for an online retail platform using React and Node.js, reducing abandonment rates by 25%.
- Implemented caching and load balancing mechanisms leveraging Redis, Nginx, and AWS Elastic Load Balancer, achieving a 60% increase in request handling capacity.

- Improved scalability for a microservices-based application through Docker and Kubernetes, allowing rapid deployment and increasing fault tolerance by 35%.
- Engineered a high-traffic e-commerce application utilizing React and Node.js, scaling to 2M daily users, which increased engagement by 62%.

Technologies Used: JavaScript, Java, C++, React, Node.js, SQL, Docker, Kubernetes, AWS (Elastic Load Balancer), Redis, Nginx, Jenkins, Git, Django, MySQL, MongoDB.

AFFIRM, Madrid, Spain • 07/2018 – 06/2020

Affirm is a financial technology company that provides digital and consumer-friendly credit solutions.

Software Developer

Worked on the development of front-end and back-end solutions for the customer-facing platform.

- Built React-based components for a responsive web module, reducing average page load time by 30 seconds using TypeScript and REST APIs, enhancing user experience.
- Integrated complex APIs for seamless data flow across multiple services using Node.js, Express, and RESTful APIs, reducing data inconsistency by 40%.
- Created interactive dashboard components for customer analytics using Angular and React, improving usability and accessibility of customer insights by 50%.
- Built data pipelines for real-time analytics in a decision-support system using SQL and Amazon Redshift, enabling faster decision-making processes.

Technologies Used: Java, JavaScript, TypeScript, Node.js, Express, Angular, React.js, SQL, JavaScript, CSS, HTML, Oracle Database, Amazon Redshift

INTERNSHIP EXPERIENCE

Jumia Group, Nairobi, Kenya • 04/2017 – 04/2018

Jumia Group is a leading e-commerce platform in Africa.

Software Developer Intern

- Collaborated on developing RESTful APIs in Django to enable faster data reporting, enhancing internal analytics speed by 24%.
- Built a unit testing infrastructure using Selenium, reducing the monthly bug rate by 11% through proactive quality assurance.
- Diagnosed and resolved database performance bottlenecks, leading to a 20% improvement in query speeds.

Technologies Used: Python, Django, Flask, Selenium, Java, Anaconda, Pandas, TensorFlow, Matplotlib, NumPy

ACADEMIC PROJECTS

Maharishi International University (2024)

- **Task Manager Application:** A web application that allows users to manage tasks by creating, updating, deleting, and viewing tasks. Tasks are categorized, and users can search for tasks by keyword or filter them by status (e.g., completed, pending). Utilized Spring Boot, RESTful APIs, MySQL, React.js,
- **Online Shopping System:** A full-stack web application that allows users to browse products, add them to a shopping cart, and place orders. The system integrates user management, product catalogs, and order processing while ensuring a smooth user experience. Utilized HTML, CSS, Spring Boot (Java), Spring Data JPA, Spring Security, MySQL.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 12/2026)

Maharishi International University, Fairfield, Iowa

Key Courses: Web Programming, Web Applications - Architecture and Frameworks, Algorithms, Software Engineering

Master's Degree in Business Analytics and Big Data

IE Business School, Madrid, Spain (03/2023)

Key Courses: Data Mining, Predictive Analytics, Machine Learning for Business, Big Data Infrastructure, Data Visualization with Tableau, Business Intelligence and Strategy, Advanced Statistics for Data Science

Bachelor's Degree in Computer Engineering

Addis Ababa University, Addis Ababa, Ethiopia (07/2018)