

# Segun Oladimeji

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## Profile

Software Engineering student with experience in fraud analytics and scalable web systems. Skilled in Python, SQL, AWS, and software development, with a track record of improving workflows and delivering measurable results. Building expertise in cloud architecture, distributed systems, and machine learning/NLP through academic and real-world projects.

## Skills

**Programming:** Python, JavaScript, Java, TypeScript, C++

**Web Development:** React, Node.js, Express, REST APIs

**Data & ML:** Pandas, NumPy, scikit-learn, TF-IDF, Text Classification, Model Evaluation (Accuracy, Precision/Recall, F1-score)

**Databases:** SQL, NoSQL, Data Modeling, Query Optimization

**Cloud & DevOps:** AWS (EC2, S3, Lambda, Route 53), Git, Docker, Linux/Unix, Shell Scripting, CI/CD Fundamentals

**Soft Skills:** Problem Solving, Analytical Thinking, Communication, Team Collaboration, Adaptability

## Professional Experience

**Fraud Analyst (Working Student), Ratepay, Berlin, Germany**

2024 – Present

- Analyzed 10,000+ transactions weekly using Python and SQL, identifying fraud trends and contributing to improving detection accuracy by ~30% while reducing false positives by 15%.
- Handled 100+ partner inquiries per month, optimizing workflows and accelerating review processes by 20%.

**Production Associate, Tesla, Germany**

2023 – 2024

- Supported production systems, increasing operational efficiency by 20% and reducing downtime by 15%.
- Collaborated with cross-functional teams to identify bottlenecks and optimize mechanical and digital workflows.

**Front-End Development Intern, Good Will Prints**

2020 – 2021

- Developed responsive web apps using HTML, CSS, JavaScript, and Django, boosting user engagement by 25%.
- Built scalable backend functionality with Python/Django and automated content workflows.

## Projects

**AWS Capstone: Student Records CRUD Web App**

- Deployed a highly available Student Records CRUD application on AWS using VPC, EC2 Auto Scaling, Application Load Balancer (ALB), and RDS (MySQL) with private subnet isolation.
- Implemented secure networking using Security Groups, separating web and database tiers, and enabled outbound internet access from private resources via NAT Gateway.
- Automated deployment using CloudFormation, configured NGINX + systemd for reliable service startup and improved application resilience.

Link: Available on request (AWS Academy Lab environment)

Tech: AWS, Node.js, MySQL, NGINX, Linux

### **Abraham AI: All-in-One AI Content Platform**

- Built a full-stack AI platform enabling users to generate blog articles, titles, images, and resume reviews using the OpenAI API.
- Integrated Clerk authentication with PostgreSQL to securely store user accounts, sessions, and persistent content history.
- Developed media workflows including image processing (Cloudinary + Multer) and PDF parsing (pdf-parse) for resume review features.

Live: <https://abraham-ai-cl.vercel.app>

GitHub: <https://github.com/TheGreatWizard16/AbrahamAI>

Tech: React, Node.js, Express.js, PostgreSQL, OpenAI API

### **CampusLink: UE Academic Communication Platform**

- Developed a university communication web app with major-based student group chat and professor-managed announcements with realtime updates.
- Implemented role-based UI rendering (Student vs Professor) and restricted access to @ue-germany.de accounts via Firebase Authentication.
- Improved user experience with multilingual support (English/German) and realtime message sync using Firestore listeners.

Live: <https://campuslink-wheat.vercel.app/>

GitHub: <https://github.com/TheGreatWizard16/campuslink>

Tech: React, Firebase Auth, Firestore, Tailwind CSS

### **Education**

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B.Sc. Software Engineering 2024 – Present (Expected 2027)

University of Europe for Applied Sciences, Berlin

### **Certifications**

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AWS Cloud Practitioner

IBM AI Engineering Professional Certificate

Applied Machine Learning in Python