

Email – francis.nanadabankah1@aexp.com

Website – francisnd.co.uk

Francis Nana-Dabankah

Experience

American Express

Sep 2019 – Present

Graduate Technology Engineer – GR (Global Remittance)

Burgess Hill, UK

- Spearheaded development of internal end-to-end testing software to monitor the state and correctness of data entering, leaving and between applications in GR
- Leveraged Java and Spring to access data in relational databases (Oracle and DB2), Splunk and Kafka, significantly reducing the time required to access and process this data (previously was done manually).
- Implemented process by which aforementioned data was seamlessly passed into dynamically generated Cucumber feature files, enabling headless testing of specific flows across the Global Remittance platform

Graduate Technology Engineer - BIP (Buyer Initiated Payments)

- Developed a new business initiative called 'Project Simple' – implemented to greatly simplify the supplier enrolment process for new BIP suppliers
- This involved
 - React/OneApp development and testing using the Jest framework
 - Designing and implementing RESTful API's using Java and documenting via Swagger
 - Java testing using the Mockito framework ensuring robust code quality
 - Integrating Java code with various stored procedures

Engineer III – NeMo (Network Modernization)

- Leveraged Kibana logging to analyse and correct issues in payment specifications to ensure that transactions are processed as required.
- Ascertained deep understanding of ISO8583 messages
- Onboarded new payment specifications enabling NeMo to process more transactions thus increasing company revenue
- Spearheaded the UI for a brand-new tool to automate the specification onboarding process which would save the worldwide NeMo team much time in development when fully implemented

American Express

June 2018 – August 2018

Intern Technology Engineer

Burgess Hill, UK

- Leveraged angularJS for front end development creating an image carousel which was put in live production
- Used React and Java to develop an internal receipt review system for AmEx affiliated rewards points company LoyalBe

University Projects

"Tenjin"

Java, Less, JavaScript, Cucumber

- A web application allowing students to take online classes, similar to CodeAcademy

Online Shop

Java, Spring Security, Spring JPA, JSP

- Web app allowing user to securely be authorised/authenticated and proceed to purchase various goods.

E-Petition Website

Java, JavaScript, HTML, AJAX, Java Servlets, JSP, MySQL

- Site where logged in users can create/sign

Canteen Ordering System

Java, Firebase Realtime Database (NoSQL), SQLite, XML

- Android application allowing user to order

Education

Skills

Programming (Proficient)	Java (incl. Android App Development)
Programming (Familiar)	JavaScript, C++
Libraries/Platforms	Cucumber/ JUnit Testing, Spring JPA, Spring Security, JSP, JavaFX, WCF Web Service, Microsoft Azure Cloud Computing, Docker, LARA, Kafka, Vert.x, Mockito, React, XLRelease, Swagger
Markup/Templating	HTML, CSS, Markdown
Data/Databases/Logging	SQL, SQLite, NoSQL (incl. Firebase Realtime Database & Couchbase), Splunk, Kibana
Working Practices	Agile Methodologies (incl. Scrum), Test Driven Development (TDD), Behaviour Driven Development (BDD), Git Version Control

Activities

Graduate Assessment Events	<i>AmEx Interview Process</i>	Interviewer/Buddy (2019/20)
HackSussex	<i>Hackathon at University of Sussex</i>	Judge (2019)
CodeGirls		
TARGETjobs © Undergraduate of the Year	<i>National Competition</i>	Shortlisted (final 18)

Notes

“Accomplished [X] as measured by [Y] by doing [Z]” — Laszlo Bock