

# Francis Nana-Dabankah

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## Experience

### American Express

Sep 2019 – Present

#### Graduate Technology Engineer

Burgess Hill, UK

- Joined the Global Remittances (GR) team. Began development of internal end-to-end testing software to monitor all data entering and leaving the GR platform as well as the state of that data whilst between applications.
- Used Java and Spring to write software to access relational databases (Oracle and DB2), Splunk logs and Kafka message queues. Used cucumber to create feature files to test specific flows across the GR platform
- Created a tool to dynamically generate feature files
- Used Docker to spin up instances of databases, message queues etc for local development purposes
- Helped to begin the automation of a process that was previously done manually by a QA thus improving overall team productivity

### American Express

June 2018 – August 2018

#### Intern Technology Engineer

Burgess Hill, UK

- Joined the Travel and Lifestyle Services (TLS) team. Worked on the Fine Hotels and Resorts website
- Used angularJS for front end development creating an image carousel which was put in live production
- Worked within scrum team
- Used React and Java to develop an internal receipt review system for AmEx affiliated rewards points company LoyalBe
- Helped to teach secondary school girls various computer science related lessons as part of an AmEx CodeGirls program including leading the teaching of an HTML course

### University of Leicester

Sep 2017 – June 2019

#### Elected Course Representative

Leicester, UK

- Liaised between students and staff, dealing with issues using effective communication and negotiation skills (thus receiving official university accreditation)
- Chaired meetings of the Student Staff Committee

## Projects

(more at <https://github.com/francisnd96?tab=repositories>)

### "Tenjin"

Java, Less, JavaScript, Cucumber

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

### E-Petition Website

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

- Site where logged in users can create/sign petitions, leave comments on petitions and see a visual bar chart representation of petition signatures

### Online Shop

Java, Spring Security, Spring JPA, JSP

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

### Canteen Ordering System

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

- Android application allowing user to order various foods for pickup from a canteen
- Contains various API integrations including Google Sign In, Share to Facebook and payment with Paypal

## Education

### University of Leicester

MComp Computer Science

Sep 2015 – May 2019

1<sup>st</sup> Class Honours

## Skills

### Programming (Proficient)

### Programming (Familiar)

### Libraries/Platforms

### Markup/Templating

### Data/Databases

### Working Practices

Java (incl. Android App Development), C#  
Python, PHP, Haskell, Prolog, JavaScript, JQuery (+AJAX), C++, React  
Cucumber/ JUnit Testing, Spring JPA, Spring Security, JSP, JavaFX, WCF Web Service, Microsoft Azure Cloud Computing, Docker, Kafka  
HTML, CSS, Markdown  
SQL, SQLite, NoSQL (incl. Firebase Realtime Database)  
Agile Methodologies (incl. Scrum), Test Driven Development (TDD), Behaviour Driven Development (BDD), Git Version Control, SVN

## Activities

**BAE Systems Capture the Flag**

**HackSussex**

**TARGETjobs © Undergraduate of the Year**

**Leicester University Debating Alliance**

*Hackathon at University of Leicester*

*Hackathon at University of Sussex*

*National Competition*

*University Debating Competition*

Competitor (2018)

Judge (2019)

Shortlisted (final 18)

Finalist (2018)