

CONTACT:



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• <https://master--thabogulu.netlify.app/>

EDUCATION:

University of Essex, United Kingdom
October 2017 - August 2021

2:1 BSc (Hons) Electronic Engineering
(Including Study Abroad)

- Programming, Electronics, Engineering Mathematics, Computer Vision, Networking, Cyber Security, and Mobile Robotics
- Dean's Student List of Excellence for 2019-2020.
- Vice President of the Skateboarding Society, 2018-2019.

University of Guelph, Canada
August 2019 - April 2020

1st BSc Electronic Engineering Study Abroad

- Majored in Computer Science and Linear Algebra
- Minored in Art, Music, Philosophy, and Photography.

LANGUAGES & FRAMEWORKS

- SQL
- Java
- Kotlin
- C | C++
- HTML | CSS
- Python | Django
- JavaScript | React

SKILLS & TOOLS:

- Test-Driven Development Practices
- Managing Software Projects through Agile Development
- Proficiency with GIT and SVN
- Google Cloud Platform
- Familiarity with Mac, Linux, and Windows operating systems
- Android Application Development
- Database Creation and Manipulation
- Critical Thinking and Problem Solving
- Adept at using the Microsoft Application Suite

Thabo Gulu

SOFTWARE ENGINEER

PERSONAL PROFILE :

An innovative and highly capable junior software engineer with strong interpersonal communication skills, extensive experience with planning, programming, and developing projects, as well as a comprehensive understanding of object-oriented programming and test-driven development. Seeking a position in a forward-thinking, diverse organisation to expand my leadership, technical, and analytical skills while enhancing my current skill set.

PROJECTS:

Music Review Website (Java | Spring Boot | Mongo DB | React.js | Google Cloud Platform)

A react web application that provides a platform for music enthusiasts to check out new weekly suggested albums, watch a music video from the album and leave a review of the album. The website features a separation of concerns between the client-side and server-side code.

Features:

- MongoDB is used for database storage due to its flexible document storage and retrieval capabilities.
- MongoDB used in conjunction with Spring Boot to create a straightforward and user-friendly API that allows for seamless integration with the React front-end and Java back-end server.
- MongoDB cluster hosting is done using Google Cloud Platform, which provides a cloud-based infrastructure for deploying, scaling web applications and for hosting databases.
- Java and Spring Boot is used for building the backend server, which handles user requests and serves data from the database.
- The API is implemented using Spring Boot.
- The frontend React application makes HTTP requests to the API endpoints provided by the backend Java server using the Axios library.

Portfolio Website (React JSX | Tailwind CSS | HTML)

A portfolio website created using React JSX, Tailwind CSS, and HTML, showcasing a summary of my skills and experience in software development. The website features a Home section, an About Me section that provides a brief introduction to who I am as a software developer, a Portfolio section, an Experience section showcasing current working tech stack, and a Contacts section.

Features:

- Built using React JSX, which allows for easy creation and rendering of reusable components
- Utilizes Tailwind CSS to create a responsive and visually appealing user interface with customizable pre-built utility classes
- Structures content and layout with HTML, making the website accessible and easy to navigate
- Responsive design accessible on different devices and screen sizes
- Social links on the side of the page that remain visible as you scroll, regardless of which section of the page you are viewing.
- Portfolio section provides links to previous projects and experience hosted on GitHub
- Provides a convenient way for users to get in touch in the Contacts section
- Website hosted on Netlify for quick and easy deployment

WORK EXPERIENCE:

Advanced Independent Studies

November 2022 - Ongoing

- Took a hiatus from work and dedicated countless hours to self-study and online courses to further my knowledge in software development.
- Completed rigorous courses on Codecademy and Udemy, and worked on personal projects to gain expertise and proficiency.

Deliveroo

September 2022 - November 2022

- Communicated with customers and restaurants effectively and professionally, delivering products in a timely manner.
- Directed customer complaints and resolved issues efficiently.

Information Tech Consultants – Android Developer (Kotlin/Java)

May 2022 - July 2022

- Delivered and developed well-tested and maintainable client-based Android applications with a focus on security and privacy.
- Implemented libraries such as Retrofit, RxJava2, Hilt, Coroutine, Dagger, Glide, OkHttp, Firebase, and Android Architecture Components.
- Routinely worked with RESTful APIs, utilizing JSON and XML data, and parsing it in a useful manner to showcase to end-users.

Brighton Met College–Lecturer & Curriculum Administrator

September 2021 - May 2022

- Mentored aeronautical, automotive, and engineering students academically to help them succeed with engineering mathematics.
- Communicated complex concepts to classes to improve students' grades. Created, updated, and maintained company databases.
- Guaranteed that students attended courses and boosted average attendance to 86% in our area.