

Chu-young Thabo Theko

Location: Gauteng, South Africa

Portfolio | [LinkedIn](#) | [GitHub](#) | [Instagram](#)

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FULL STACK DEVELOPER, SOFTWARE ENGINEER

With over **four years of industry experience**, I am a seasoned Full Stack Developer and Software Engineer specializing in **MERN Stack development**. My strengths lie in creative problem-solving, quick learning, and effective collaboration. I possess sufficient knowledge and experience in **Data Structures and Algorithms**, **UI/UX Design** and **Data Analytics**.

TECHNICAL SKILLS

Languages	: C#, CSHTML, CSS, HTML, Java, JavaScript ,LateX, Python, TypeScript, Yaml
Frameworks	: Angular.js, ASP.NET, BootStrap, Deno, Electron, Express.js, Jest, Material-UI, Mongoose, Nest.js, Next.js, Node.js, Node Web Kit, SASS/SCSS, Tailwind CSS
Libraries	: Flask, JavaFX, JQuery, Radix UI, React.js, RxJS, Scikit-learn, Seaborn, Selenium, Shadcn, TensorFlow, Three.js
Databases	: Appwrite, AWS, Firebase, MongoDB, mySQL, Microsoft SQL Server, PostgreSQL
Dev Tools	: Apollo, Axios, CircleCI, Confluence, DBeaver, Docker, Dwolla, Elementor, Figma, Git, GitHub, GitHub Actions, GraphQL, IntelliJ IDEA, Jira, Jupyter NoteBooks, Plaid, PM2, Postman, REST APIs, Socket.io Stream.io, Swagger, Trello, Vercel, Visual Studio, Vite, Webpack, WordPress, Zod
Security	: Clerk, Google OAuth2, Helmet.js, JWT, OpenSSL, Passport.js, Public Key Cryptography
Methodologies	: Agile, CI/CD, MVC, OOP, SOLID, Waterfall

EXPERIENCE

Full Stack Developer

CaseWare Africa | Adapt IT

June 2023 – Current

Midrand, Gauteng

- Hired as a **Full Stack Developer** for an international Fintech company **serving over 4,200 clients** across Africa
- Developed and maintained a cloud-based installer for clients using **React, Electron and Bootstrap**, ensuring seamless installation processes across diverse environments.
- Created a **robust API using Nest.js** to interface with **AWS S3**, enabling clients to download the application directly to their machines, streamlining the cloud installer's distribution process.
- Utilised **PostgreSQL** and **Docker** as primary database and backend for cloud installer and for **CRUD** functionality.
- Worked on the Admin Console, using **Angular, Bootstrap and Nest.js** the backend system that managed critical processes such as viewing and modifying licenses for various entities, acting as the backbone for the cloud installer.
- Conducted thorough endpoint testing using **Postman and DBeaver** for endpoint validation and database monitoring, improving system reliability.
- Integrated **GitHub and CircleCI** for a **fully automated CI/CD pipeline**, accelerating development cycles and deployment processes.
- Collaborated with cross-functional teams **through peer programming** and participated in **code reviews**, providing valuable insights that enhanced product quality and team collaboration.

Front End Developer - Contract

Kindred

February 2023 – April 2023

Fourways, Gauteng

- Worked on WordPress-based projects, providing seamless support during high-demand periods and resolving website issues efficiently.
- Developed and maintained responsive, user-friendly websites for **Kindred** and **Kindred Technology**.
- **Designed and launched** new web pages and blog posts using provided content, consistently meeting deadlines and delivering high-quality results.

Front End Developer and Database Administrator - Contract

Scientific Engineering (A Division of BCE Foodservice Equipment)

October 2022 – February 2023

Roodepoort, Gauteng

- Enhanced the functionality of the company's internal **ASP.NET application** by developing new pages and optimizing existing ones, improving user experience.

- Improved **load times and responsiveness** of pages.
- Debugged and resolved display issues by working with **C# back-end code**, utilizing the **MVC architectural pattern** for clean and scalable development.
- Configured and integrated the front-end with the company's **Microsoft SQL Server** database, ensuring seamless data retrieval and accurate information display.
- Set up and configured **Raspberry Pi devices with Linux**, enabling ground staff to track jobs and monitor work progress in real-time.

Front End Developer

Leverage BPO

April 2022 – October 2022

Remote

- Outsourced to Treehouse Marketing, contributing to **dynamic web solutions** for diverse clients.
- Developed and maintained responsive web pages using **HTML, CSS, JavaScript**, and a **custom CMS framework and CSS library** designed by Treehouse Marketing, ensuring consistent brand identity and high performance.
- Rebuilt and optimized existing web pages within the custom CMS, enhancing mobile responsiveness and user experience across all devices.

Web Developer - Freelance

Upwork

December 2020 – April 2022

Remote

- Collaborated with global clients to design and implement user interfaces, enhancing and refactoring code from previous developers to improve functionality and performance.
- Primarily utilized **HTML, CSS, and JavaScript** to deliver **high-quality web solutions** tailored to client needs.
- Achieved a **5-star rating** and maintained a **Job Success Score of 100%**, reflecting a commitment to client satisfaction.

PROJECTS

SNAPDART Bank

Shadcn | Next.js | Appwrite | Plaid | Dwolla | Authentication | React | Tailwind CSS

[Source Code](#)

- A fully functional and mobile responsive banking application equipped with the functionality to send and receive funds, add bank accounts, view all transactions and more.
- Utilizes Plaid and Dwolla to interact with banks and perform transactions, Appwrite as a Backend As A Service and Shadcn with Tailwind for the UI.
- Login details for test account: email: testacc1@gmail.com, password: Radorado1
- Visit site: <https://snapdart.vercel.app/>

Noom (Zoom Clone)

Next.js | Stream.io | Clerk | Tailwind CSS | Shadcn | Vercel

[Source Code](#)

- A fully functioning Zoom clone with features such as meeting recording, scheduling and screen sharing
- Utilises Tailwind CSS for styling and Shadcn for UI components
- Visit site: <https://zoom-clone-five-beta.vercel.app/>

Travel and Attractions

React | Material-UI | Travel Advisor API | Open Weather API

[Source Code](#)

- An application where one can find restaurants, attractions or hotels in their area or all over the world.
- One can also see what the weather is in the chosen area as well using search bar powered by the Google API
- Visit site: <https://attractionsapp.netlify.app/>

CERTIFICATIONS

- [Python Developer - Udemy](#)
- [NestJS Developer - Udemy](#)
- [NodeJS Developer - Udemy](#)
- [Certified SAFe 6 Agilist - Scaled Agile](#)
- [Angular- The Complete Guide - Udemy](#)
- [Responsive Web Design - freeCodeCamp](#)
- [Data Structures and Algorithms - AlgoExpert](#)
- [JavaScript Algorithms and Data Structures - freeCodeCamp](#)
- [Higher Certificate in Marketing and Sales - University of Johannesburg](#)