DEMI DANIEL

Full Stack Developer • 240-441-1727 • demidaniel98@gmail.com • linkedin.com/in/demi-daniel-akanle • github.com/OODemi52

EDUCATION

THE GEORGE WASHINGTON UNIVERSITY, School of Business — **Washington, DC**
Master of Science in Information Systems and Technology — *May 2024*
GPA: 3.7

University of Maryland-Baltimore County — **Baltimore, MD**
Bachelor of Science in Mechanical Engineering — *December 2020*

RELEVANT COURSEWORK

Web Application Development
Foundations of Artificial Intelligence
Web and Social Analytics
Cloud Applications
Relational Databases
Information Systems Security
Python Programming and Database Applications
Information Systems Development and Applications

SKILLS

Programming Languages: JavaScript, Typescript, R, Python, C++, SQL, NoSQL, HTML, CSS
Technologies: Node.js, React.js, Express.js, Django, Git, MongoDB, Axios, NPM, MAMP, Bootstrap, JSON, Bycrpt, JWT, Material UI, Jest, RStudio
Methodologies: Agile, REST API, Microservices Architecture, CI/CD, Test Driven Development
Advanced Mathematics: Trigonometry, Calculus I, II & III, Ordinary Differential Equations, Partial Differential Equation, Linear Algebra, Statistics
Other Interests: Filmmaking and Photography, Video Editing, Web Design, Graphic Design, Electronics and Circuitry, CAD Design

RELEVANT PROJECTS

Automated Slack Image Upload Application
Self-Led Project
R.C.C.G. Christ Chapel MD, Temple Hills MD
July 2023 - Current

- Implemented a Slack bot Application that prioritized usability to allow users to automatically upload images to a specified Slack channel, improving department productivity by 50%
- Engineered RESTful APIs in Node.js, Express, and TypeScript, achieving a 97% reduction in image upload time by optimizing data fetching and posting to channels via Slack's Web API
- Designed a fluid and intuitive React-based UI using Typescript, reducing the average time spent on file selection and channel targeting by 40%, enhancing overall user experience
- Authored comprehensive documentation and provided training for 10+ staff members, decreasing the time required for onboarding new users by 50% and facilitating rapid issue resolution

Asset Management and Rental Application
Self-Led Project
March 2023 - Current

- Orchestrated the entire SDLC within an Agile framework, ensuring a seamless implementation of an Asset Management and Rental System
- Crafted a responsive and visually appealing UI with protected endpoint using React.js, Bootstrap, and Material UI
- Pioneered the creation of RESTful APIs leveraging Express.js, Bcrypt, and JWT to proficiently handle data retrieval, user authentication, and session token generation. Prioritized security and efficiency in all operations
- Engineered dynamic data updates by fetching information from MongoDB through Axios, ensuring real-time data synchronization and enhancing the overall user experience

Experimental Reaction Turbine Control Valve Project Lead
Independent Study and Senior Capstone Project
Fluid/Solid Mechanics and Energy Lab, UMBC, Baltimore, MD
Spring 2020 - Fall 2020

- Constructed a control valve system to replace an experimental reaction turbines inlet valve, stabilizing flow through the valve by 45.2% and saving $102.65 of a $250 budget
- Created an electronic closed-loop PID feedback control system to automate turbine operation using an Arduino microcontroller, sensors, and stepper motor actuators using open-source code for operation of the PID controller using C++

EXPERIENCE

R.C.C.G. CHRIST CHAPEL MD — **TEMPLE HILLS, MD**
Full Stack Developer — *June 2020 - Present*

- Developed and maintained user friendly and responsive web sites that improved search engine optimization and increased click-through rate by 20%
- Crafted detailed mockups in Canva and Figma to be converted into usable web presences using tools like WordPress, Bootstrap, and React
- Refactored legacy server-side business logic, increasing server response times by 15% which improved usability and streamlined operations
- Lead the transition from client-side rendering to server-side rendering, improving web page load speeds by 33%