

Jonathan Bakhit

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EDUCATION

Johns Hopkins University

Bachelor of Science

Computer Science and Applied Mathematics and Statistics

Minor(s): Robotics, Psychology, Mathematics

Baltimore, MD

May 2024

RELEVANT EXPERIENCE

SkillLink

Founder

March 2023 - Present

- Spearheaded the development of a dynamic, personalized website and a robust backend system, seamlessly managing client payments, communication channels, and administrative controls
- Engineered a personalized website and backend handling client payments, communication, and administration control
- Competed in Spark Accelerator, securing a \$500 investment and leveraging mentor resources to develop a Minimum Viable Product for investor interest

Technologies: JS, React, go, Backblaze, ChatGPT API

Java Tutor

Head PILOT Leader

August 2022 - Present

- **Head Tutor** for the Gateway Java PILOT course at Johns Hopkins, orchestrating a conducive learning environment and demonstrating comprehensive expertise in Java to effectively tutor students

Technologies: Zoom, Java, Sheets

Research - Delineo

Fullstack Team Leader

January 2021 - March 2023

- Director of a dedicated team of 6 undergraduate students, responsible for their training, supervision, and support in tasks, with a specific focus on Frontend development
- Instrumental in supporting research initiatives, overseeing the seamless integration of the project into **Microsoft's Covid UI Dashboard** and **CDC models**
- Verified and ensured the effective usage of CDC's models, providing valuable insights for the future development of Delineo's Disease Models.
- Devised user-friendly **React** frontend that features a custom blog, simulation controls, and detailed data points for ease of use for policy makers and educators

Technologies: JS, C#, Python, Docker, Java, Unity, and CSS

Saint Mary and Archangel Michael

Full Stack Developer

May 2022 - January 2023

- Designed a dynamic website for a user base of 1000+ with a **real-time** database that is automatically maintained
- **Refactored** existing codebase for existing website and **rehailed** for modern functionality and look
- Programmed **custom functionality** such as: Authentication system, storage system, write/read capabilities, security protection, and many more custom algorithms

Technologies: React, JS, Firebase, SQL, and CSS

PROJECTS

BAKHIT.INFO

Head Developer

March 2022 - Present

- Conceptualized and developed a personalized website using React and JavaScript, serving as an individualized portfolio to showcase skills and achievements
- Innovatively built a customized resume viewer directly on the website, ensuring a user-friendly and seamless experience. This feature enables visitors to easily access and navigate through the resume content

Dolt | *Python, Javascript, React, CSS, mongoDB*

August 2022 - January 2023

- Developed a full-stack web application using an **React** frontend and a **Express** backend
- Created a full-featured social media web-app with added task functionality for interactive usage by users
- Implemented several authentication services and real-time database access to allow 24/7 uptime

STUDENT INVOLVEMENT

STUDENT GOVERNMENT ASSOCIATION

August 2023 - Present

Committee of Student Elections Member

- Spearheaded public outreach programs for students, enhancing engagement and awareness
- Managed and administered the election process, demonstrating proficiency in handling student promotions, turnover of power, and overseeing general election processes

SKILLS

Languages: Java, JavaScript, TypeScript, Ruby, Python, C#, C++, C, Lua, PHP, CSS, SQL, R, HTML, Go, x86-64 Assembly, MATLAB

Technologies: Git, Azure DevOps, Photoshop, Premiere Pro, Docker, AutoCAD, Unity, LaTeX, Arduino IDE

Frameworks: React, Node.js, React Native, Vite

Libraries: pandas, NumPy, TensorFlow, Matplotlib, MUI, Bootstrap, Stripe