

Biruk Yimer

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Portfolio: byimer1.vercel.app

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript, C++, C, PHP, SQL
Frontend: HTML5, CSS3, Modern JavaScript (ES6), TypeScript, Angular, React, Bootstrap, XML
Backend: Node.js, Flask, Django, Python, RESTful APIs
Mobile: Ionic, Android Studio, Xcode
Tools: Git, GitHub, Docker, Heroku, Windows, Linux, JIRA, Bitbucket

EXPERIENCE

- Folioup - Startup** Silver Spring, MD
React Native Developer Sep 2024 – Present
 - Developed a cross-platform app using **React Native** with optimized rendering techniques, reducing re-renders by 35% and improving responsiveness through a modular component architecture.
 - Integrated **Firebase** for authentication, real-time database, and cloud messaging, enhancing app functionality.
 - Accelerated release timeline by 30% through performance optimization and agile development.
- Churchme** Remote
Full Stack Developer Jun 2024 – Dec 2024
 - Developed cross-platform mobile apps using **Angular** and **Ionic**, integrating third-party APIs and cloud functions with **Node.js** to enhance functionality.
 - Implemented end-to-end SDLC using Agile methodologies, resulting in faster project deliveries and reduced bugs.
 - Utilized **Git** and Bitbucket for version control and CI/CD pipeline automation.
 - Collaborated with cross-functional teams on software architecture decisions and technical implementations.
- Children and Charity International** Washington, DC
Front End Development Instructor Jun 2021 – Aug 2024
 - Developed and delivered Python and Web Development curriculum with hands-on exercises and real-world examples.
 - Assessed 90+ students through assignments and projects, improving overall performance and understanding.
- University of Maryland - Baltimore County** Baltimore, MD
Teaching Assistant Sep 2022 – Jan 2024
 - Assisted in CMSC 202 (C++) and CMSC 341 (Data Structures), helping 50+ students improve their coding skills.
 - Led 3 weekly discussions for 30+ students, promoting collaborative learning and hands-on coding support.
 - Graded assignments and projects, with 85% of students reporting improved understanding of concepts.
- Self-Employed - TrendAdSocial** Remote
Full Stack Developer [AWS link](#) Aug 2022 – Present
 - Developed a scalable social media web application using **Django** and **Python**, integrating authentication, profile management, and a follow/unfollow system to enhance user engagement.
 - Engineered core features such as post management, real-time messaging with **WebSockets**, and an interactive notification system, optimizing performance with **Django ORM** and database indexing.
 - Built a responsive UI with **Bootstrap 5**, **AJAX**, infinite scrolling, and a dynamic ad system.

PROJECTS

- Machine Learning Model | Python, TensorFlow, Scikit-learn** <https://github.com/Byimer1/MLproj>
 - Built a Convolutional Neural Network using **TensorFlow**/Keras to classify CIFAR-10 images with 80% accuracy.
 - Used **TensorFlow** for preprocessing, augmentation & **Scikit-learn** for data splitting to improve generalization.
- Web Virus Scanner | Flask, SQLite3, Bootstrap** <https://github.com/Byimer1/HashScanner>
 - Developed a virus hash and URL scanner using **Flask** for the back end and **Bootstrap** for the front end.
 - Integrated the **VirusTotal API** to scan over 5,000 hashes and URLs in real-time.
 - Improved data storage and retrieval by 30% using **SQLite3**, implementing asynchronous handling.

EDUCATION

- The University of Maryland, Baltimore County** Baltimore, MD
Bachelor of Science in Computer Science May 2024