

ALI BASSIOUNI

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EDUCATION

Pennsylvania State University - University Park
Bachelor's, Computer Science

August 2018 - May 2022

EXPERIENCE

Masria Digital Payments

Remote

Mobile Software Developer (React Native)

January 2023 - Present

- Collaborated on the architecture and development of a scalable, white-label prepaid card management app, adopted by 5 banks across 3 countries.
- Developed and shipped native Kotlin NFC payment modules for React Native and Android using custom SDK and object-oriented design patterns, being the first to develop the feature in Egypt.
- Built custom Continuous Integration (CI) pipelines to build React Native applications for Android and iOS for multiple environments, saving 25 developer hours weekly.
- Collaborated with design teams to translate UI/UX designs into intuitive and responsive interfaces.
- Coordinated with product owners using Agile development methodologies, prioritizing user-centric development of features.

Volvo

Remote

Senior Capstone - Vehicle Test Data Analysis And Visualization

August 2021 - December 2021

- Assessed data quality according to uniqueness, validity, completeness, and accuracy metrics by utilizing Pandas to build a Python function library, improving overall sensor performance.
- Constructed a Power BI dashboard to visualize results from python library using graphs and charts.
- Led a team of 7; coordinated meetings with management, assigned tasks and supervised progress.
- Prepared technical presentations and showcased findings to a team of 7+ managers.

PROJECTS

Entrybase - [Link to project](#)

October 2023 - Present

- Architected and built an open source waitlist management and analytics SaaS platform to enhance website launches and marketing for SaaS owners using Next.js.
- Deployed user facing REST API on Cloudflare Workers enabling seamless integration into any website.
- Developed a high-performance real-time websocket server in Rust, integrating with a REST API to instantly update dashboard data from a waitlist system.

SideprojectAI - [Link to project](#)

May 2023 - Present

- Founded and launched a Software as a Service startup to generate resume bullet points for GitHub repositories using artificial intelligence technologies.
- Developed a fullstack Next.js application using React.js, Typescript, and TailwindCSS to create responsive user interfaces.
- Architected a serverless REST API using Node.js and deployed on AWS Lambda, optimizing backend processes and enabling data retrieval for users.
- Deployed a MySQL database to ensure robust and secure storage of user and generation data.

SKILLS

Web Development: HTML, CSS, JavaScript, TypeScript, Next.js, Node.js, React.js, Express.js, Cloudflare Workers, Serverless, AWS Lambda

Mobile Development: React Native, Android, Kotlin, iOS/Swift, Expo, Firebase, Detox, Jest

Tools: SQL, PostgreSQL, MySQL, NoSQL, MongoDB, Docker, Figma, Cloud, AWS, Azure, Github Actions