

Ali Bassiouni

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Education

Bachelor of Science in Computer Science,
The Pennsylvania State University

Aug 2018 – May 2022

Experience

Software Engineer, SideprojectAI 

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

IT Help Desk Supervisor, Penn State IT

May 2021 – May 2022

- Designed and implemented training program to onboard help desk consultants in technical procedures, ServiceNow enterprise software, and conflict management.
- Supervised a team of 3 desk consultants to ensure problem solving efficiency and customer satisfaction.
- Facilitated communication between consultants and customer to analyze and diagnose issues.

Projects

Next.js App Router Component Type Helper

May 2023

- Developed a popular VS Code extension addressing a common developer issue with over 30 installations on the VS Code marketplace
- Implemented a comprehensive scanning algorithm for Next.js projects, identifying server or client components using Babel Parser for code analysis.
- Integrated asynchronous programming and promises to ensure non-blocking operations during the scanning of the project files, resulting in a smooth user experience

ListenIn – Fullstack Messaging App

Oct 2022 – Jan 2023

- Designed and implemented a responsive desktop and mobile frontend using React.js and Tailwind.
- Deployed and configured a NoSQL MongoDB Cloud Atlas database to facilitate seamless storage and retrieval of user information and application data.
- Developed a scalable and efficient RESTful API using Node.js and Express, allowing for standardized HTTP requests and responses for operations such as data retrieval, resource creation, and updates.
- Incorporated advanced features such as music sharing and messaging by integrating third-party APIs such as Spotify Web API and Firebase

Senior Capstone - Vehicle Test Data Analysis And Visualization, Volvo Group Trucks

Aug 2021 – Dec 2021

- Initialized a PostgreSQL database to store large datasets from truck sensors accessed from a python library.
- 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.

Skills

Web Development (HTML, CSS, JavaScript, Typescript, Next.js, React.js, Node.js, Express.js, Django, Serverless, AWS Lambda),

Data Analytics (Python, Pandas, Numpy, Pytorch, Scikit-learn, SQL, PostgreSQL, MongoDB, Java, C language, Microsoft Power BI, Microsoft Excel, Git),

Design (UI/UX, Figma, Adobe Illustrator)