

Shahbaj Singh

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EDUCATION

New Jersey Institute of Technology
B.S. Computer Science (Expected)

Newark, NJ
Sep. 2022 – Dec. 2024

Middlesex College
A.S. Computer Science

Edison, NJ
Sep. 2020 – May 2022

CERTIFICATIONS

CompTIA Security+
SY0-701 (Expected)

Dec. 2024

RECENT WORK HISTORY

Sortation Center Warehouse Associate
Amazon

Carteret, NJ
Sep. 2023 – Present

- Sort, split, and scan packages, load and unload trucks, construct pallets, handle pallet jack, load conveyor belt, transport, jam break, command and control flow of Mod-LinX and Powered Flex conveyor belts
- Cooperate with operations team, process assistants, and fellow associates to process upwards of 80-100k packages per shift, fulfilling customer satisfaction promises during surge periods e.g. Prime Week, peak season, and major holidays
- Analyze and react to process necessities across the warehouse, assisting managers in accommodating continuous workflow, assuming multiple roles throughout the 1M sq. ft. facility

PROJECTS

Hustle Hive | *PHP, JavaScript, HTML/CSS, MySQL, Agile Methodol.*
New Jersey Institute of Technology

May 2024 – Aug. 2024

- Developed an application intended to connect creators and businesses in the informal market to potential customer base through a central platform as part of a startup senior capstone project
- Defined and manipulated MySQL database schema to manage and maintain expected features– user registration, posting, messaging, profile management, service booking, post features e.g. liking, commenting, saving, following, and reviewing
- Implemented create post functionality, user messaging system, native calendar display for appointments, and user home feed, including dynamic 'For You' page based on user interests
- Conducted weekly and bi-weekly team meetings with founder and project manager to conduct code review, create and resolve tickets, conduct verification and validation testing, and assume tasks for following sprints on volunteer basis in accordance with feature-driven development

Currency Exchange Tracker | *PHP, Node.js, HTML/CSS, AWS EC2*
Personal

Apr. 2024 – May 2024

- Leveraged EC2 server with Node.js backend making calls with exchangerates API to fetch currency rates and construct a dynamic website for users to compare currencies with dropdown menu and interactive graph
- Implemented JSON parsing for real-time updates on exchange rates using PHP scripts, ensuring accuracy of graph data and responsiveness of website features to users

Covey.Town Fork | *TypeScript, React.js, Agile Methodol.*
New Jersey Institute of Technology

Oct. 2023 – Dec. 2023

- Collaborated on extension of the Covey.Town project by developing a Battleship game using MVC architecture, designing and implementing backend logic in TypeScript and connecting it with frontend React.js user interface
- Conducted comprehensive unit and integration testing, ensuring quality code that aligned with user stories in an Agile-driven environment

Parser/Lexical Analyzer | *C++*
New Jersey Institute of Technology

Feb. 2023 – Apr. 2023

- Engineered a recursive-descent parser and lexical analyzer in C++ to parse and validate a custom programming language, handling syntax and semantic errors using recursive function calls and token processing, leveraging data structures e.g. maps

SKILLS

Languages: JavaScript, TypeScript, Java, Python, C/C++, SQL, HTML/CSS, PHP, Bash/Zsh

Frameworks: React.js, Node.js, Flutter

Tools: Git, Docker, GCP, AWS, MySQL, MacOS, Linux, VMWare, Microsoft Office Suite