

Han Le

hanle.cs23@gmail.com | github.com/hanle23

Experience

Full-Stack Engineer (Contract), Tesoract – Toronto, ON Apr 2023 – Present

- Designed an access control system using JavaScript and MongoDB to propagate and modify user access, enhancing security protocol for confidential information
- Built a file upload and sharing service using AWS JavaScript SDK, enhancing existing communication services
- Implemented an user registration and access assignment system using NextAuth.js, Nodemailer, and existing permission services, streamlining account creation process and ensuring accurate access control
- Developed comment system with Rich Text Editor and RESTful APIs, ensuring accuracy and responsiveness
- Initiated front-end improvements for 8 pages with responsive CSS, enabling usage on smaller screens

Software Technical Support (Part-time), York University SCS – Toronto, ON July 2023 – Present

- Created a Python script to generate room availability reports, serving as a quick search tool for on-site IT team, improving response time to hardware failures
- Developed Python ETL to create a new data source from QLess Reports, processing 400+ records daily
- Improved kiosk app by redesigning 8 UI screens, leading to 40% increase in user usage per visitor analytic
- Mentored interns by handling tools introduction, addressing codebase questions, and training

Front-End Developer (Contract), Consultarer – Toronto, ON Mar 2024 – May 2024

- Built settings and payment page UI in half the allotted time, resulting in more time for back-end development
- Designed a time series data model for payments in MySQL to enable data retrieval by period and trend analysis

Desktop Support Assistant, York University SCS – Toronto, ON May 2021 – Apr 2023

- Architected an infrastructure automation tool with Google Cloud SDK and Python to deploy virtual machines and auto-correct errors, reducing dedicated weekly workload by 90%
- Implemented features for internal browser extension to provide additional shortcuts and quick selection tools, successfully facilitating deployment to Chrome Web Store

Projects

Orches - Spotify Playlist Optimizer

- Developed a full-stack web app deployed on Vercel and Google Cloud Platform to assist user in organizing their Spotify music playlists and algorithmically shows similarity degree between tracks and playlists
- Built REST APIs using JavaScript and Node.js that interface with Spotify Web API to edit music playlists
- Created a back-end web service with JWT and OAuth to store and refresh access token automatically

Plate Saver github.com/hanle23/PlateSaver

- Won the MyPalate Inc challenge at DeltaHacks 8 by collaborating with 3 peers to develop a mobile app that facilitates restaurant donations of leftovers to shelters

Skills

Languages: Java, Python, JavaScript, TypeScript, HTML, CSS, SQL

Technologies: Next.js, React.js, Node.js, Cypress, Tailwind CSS, jQuery

Software: MongoDB, Postman, SQL Server, MySQL, Azure, GCP, AWS, Docker

Education

York University – BS in Computer Science

May 2023