

# Jaleta Tesgera

218-979-8081 | jtesgera@cord.edu | LinkedIn | GitHub

## Experience

### Software Engineer Intern

Bushel

Fargo, ND

05/2023 - Present

#### *Phase II - Full Stack Software Development*

- Collaborated with Design and Product on a scalable full stack development on a microservice that is predicted to sell for above \$100,000 utilizing the latest technologies of **Python (Openpyxl and Pandas Library)**, **GraphQL API**, **Javascript with React**
- Redesigned and organized internal admin tool for better UI experience using light framework, **Flask, Python, and s3 AWS bucket**
- Streamlined the customer plan management internal systems by writing automating **bash scripts** on pods from an **AWS Kubernetes CLI**, that significantly reduced time of manually and individually handling above 500 customers over a span of a week to a matter of minutes

#### *Phase I - Web Development*

- Led the research and development of implementing modern http protocol rules for the **.NET Core** back end with **VB.NET** by making changes in the .NET version, and introducing security layers to result in 10% improvement on the general website test by Internet.nl
- Designed and developed a client website, creating a robust online presence by implementing a custom template and integrating requested markup features using CSS and JavaScript libraries, while ensuring cross-browser compatibility and responsiveness

### Student Manager

Concordia ITS

Moorhead, MN

08/2022 - Present

- Demonstrated technical expertise and multitasking by installing, repairing, and running diagnostics on common hardware, software, and Wi-Fi connectivity problems on campus through troubleshooting for 20 to 40 students and faculty per week.
- Managed and trained a team of five to eight students in every shift across tasks to result in motivated work-oriented student staff

## Skills

- PL and Frameworks** : Kotlin | Python | Java | JavaScript | TypeScript | C++ | C# | PHP | R | SQL | .NET | React | Spring | Flask | Angular
- Libraries and Development Tools**: Keycloak | Next.js | Chakra UI | Axios | GraphQL | Capacitor | jQuery | Flask | Mockito | Jest | Bootstrap | Tailwind | Git VCS | Postman | Figma | Jira | Confluence | Gradle | npm | Maven | Bitbucket | GitHub | Liquibase | Rancher
- Services and DB**: AWS | Microsoft Azure | Firebase | Docker | Kubernetes | Jenkins | CircleCI | Sonar | PostgreSQL | MS SQL | DBeaver
- Practices**: OOP | SDLC | Agile | TDD | CI/CD | Testing | Restful API | MVC | Devops | Cloud | Distributed and Multi Threaded Systems

## Projects

### *Pokedex - Full Stack Development*

- Planned, designed, and developed a feature-rich Pokedex with pagination, multi-parameter filtering, and capturing capabilities.
- Leveraged **R** for data mining, **Liquibase** for data migrations, **PostgreSQL** as an RDMS for the backend Employed **Spring** Project with an MVC structure using **Kotlin**, testing with **Mockito** libraries and the front end with **Next.js, Axios**, and **Jest** for testing components.
- Added **NextAuth** for SSO and Social Login, migrated user and password management to **Keycloak** to authenticate users with JWT tokens
- Currently researching and testing **Capacitor** to run my pokedex natively on iOS, Android, and Web without modifying my source code.

### *TrainWise: Corporate Training Program Enhancement and Cost Reduction Tool - Back End Development, Linear Optimization*

- Reduced the corporate training costs for a company by an estimated 10-30% implementing linear optimization using **R** and **Python**
- Implemented a constraint to prevent scheduling conflicts and maximize employees productivity by developing training schedules that are tailored to their specific needs using **Pyschedule** and **Lpsolve** libraries.

### *International Minnesota - Web Development and Slack Integration (Project in data collection and early development stage)*

- Building an **archive model website integrated with Slack** community for Minnesota international students to provide resources, guides, and links for reliable information to help students navigate the world out of college after winning a 4,500 investment scholarship.
- Implemented AI chatbot functionality to enhance user experience and guide students to the most relevant resources.
- Collected and stored data in **Firebase**, while planning Full Stack development using **React, Spring Boot, and Java**, leveraging resources like **R** and **Tableau** to optimize and understand current data to maximize reachability to about 10,900 international students in Minnesota

### *Newroz Kebab Restaurant Website - Web Development*

- Volunteered at a local restaurant for a full-stack web development from scratch using multiple front-end languages like **HTML5, CSS, Bootstrap, and Java Script** utilizing team collaboration and management over **Git and Jira**, to build an aesthetic 15-page website
- Developed admin control, login, carting systems, cookie storage, form input validations and emailed user submitted responses using back-end languages like **PHP and SQL** and organized them using **phpMyAdmin and MySQL**
- Communicated with the manager of the restaurant consistently to understand expectations and receive feedback throughout milestones

## Education

### Bachelor of Arts

Concordia College

Moorhead, MN

Exp: Dec 2024

- Major** in Computer Science and Minors in Math and Data Analytics with **3.8 GPA**.
- Organizations**: ColorStack, Tech Inclusion Club, Offut Business School Leaders, Map the System, and Computer Science Tutor
- Leadership: President for the Computer Science Society** (2023/2024): In my current term I am spearheading the development, project management, and implementing CI/CD pipeline for the club's new website, fostering student collaboration by organizing tri college hackathons, and providing guidance and support for fellow students navigating their tech career path.