

Jaleta Tesgera

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Experience

Software Engineer Intern

Bushel

Fargo, ND

05/2023 - 12/2023

Phase II - Full Stack Software Development

- Collaborated with Design and Product on a scalable full-stack development to build a microservice feature that is predicted to sell for above \$100,000 utilizing the latest libraries of **Python, GraphQL API, and Javascript with React**
- Redesigned and organized internal admin tool using light framework **Flask, Python, and s3 AWS bucket** for a better UI experience
- Automated customer plan management using **bash scripts** on **AWS Kubernetes CLI**, cutting manual processing time for 500+ customers from a week to minutes

Phase I - Web Development

- Led research and development of implementing modern HTTP protocol rules for **.NET Core** back end (**VB.NET**), resulting in a 10% improvement in the general website test by Internet.nl
- Designed and developed a client website for advertising services, selling, and buying grain by leveraging custom templates and integrating designs using **CSS** and **JavaScript** libraries, while ensuring cross-browser compatibility and responsiveness

Student Manager

Concordia ITS

Moorhead, MN

08/2022 - Present

- Demonstrated technical expertise by installing, repairing, and running diagnostics on hardware, software, and Wi-Fi connectivity issues through documenting and troubleshooting for 20 to 40 students and faculty per week
- Managed and trained a team of 5 to 8 students during each shift, overseeing tasks, to foster a motivated work-oriented student staff

Skills

- **PL and Frameworks** : Kotlin | Python | Java | JavaScript | TypeScript | R | SQL | React | Spring Boot | C++ | C# | PHP | .NET | Flask
- **Libraries and Development Tools**: Keycloak | Next.js | Chakra UI | Axios | GraphQL | Flask | Mockito | Jest | Bootstrap | Git VCS | Postman | DBaiver | Figma | Jira | Confluence | Bitbucket | GitHub | Gitlab CI/CD | Liquibase | Azure
- **Services and DB**: AWS | Microsoft Azure | Aiven | Firebase | Docker | Kubernetes | Jenkins | CircleCI | Sonar | PostgreSQL | MS SQL
- **Practices**: OOP | SDLC | Agile | TDD | CI/CD | Testing | Restful API | MVC

Projects

Pokedex - Full Stack Development - [FE: 🌐 🐙], [BE: 🌐 🐙]

- Planned, designed, and developed a feature-rich Pokedex with pagination, multi-parameter filtering, and capturing capabilities
- Employed industry-standard Model-View-Controller (MVC) architecture in a **Spring Boot** Project with **Kotlin** for the backend, while utilizing **Next.js, Axios, and Jest** Snapshot testing for the front end.
- Incorporated **R** for data cleaning and **Liquibase** for seamless data migration.
- Implemented a **Dockerfile** for backend hosting, **GitLab CI/CD** stages for frontend deployment on fly.io, and utilized an Avian **PSQL** DB
- Added **NextAuth** for SSO and Social Login, and hosted the authentication layer on a free **Keycloak** realm (Phase Two)

R.D. Offutt Potato Selection Optimization Tool - Back End Development, Linear Optimization - [🐙]

- Enhanced per-order potato selection efficiency at R.D. Offutt through linear programming, optimizing the selection area, bins, and lots
- Streamlined the potato selection costs by an estimated 15-25% by utilizing key **Python** libraries such as **Pandas, PuLP, and NumPy**
- Implemented a valuation methodology with penalties and constraints to reduce overtime potato waste significantly

Newroz Kebab Restaurant Website - Web Development Volunteer - [🌐 🐙]

- Initiated and led the development of a business website for a local restaurant that previously operated without an online presence
- Employed front-end languages including **HTML5, CSS, Bootstrap, and JavaScript**, and facilitated team collaboration through **Git and Jira**
- Developed essential features including admin control, login, carting systems, cookie storage, form input validations, and emailed user submitted responses, for reservation and review, using **PHP and SQL** and organized them by leveraging the **phpMyAdmin** tool
- Maintained consistent communication with the manager to understand expectations and receive feedback throughout milestones

Education

Bachelor of Arts

Concordia College

Moorhead, MN

Exp: May 2024

- **Major** in Computer Science and Minors in Math and Data Analytics with a **3.8 GPA**.
- **Organizations and Activities**: ColorStack, Tech Inclusion Club, Computer Science Society President, Minnesota Private Colleges Scholar, Offut Business School Leaders, NDSU Map the System, Scheels Investment Club, MLK Day Committee, and served as a CS 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.