Salah Osman

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EMPLOYMENT EXPERIENCE

Best Buy Corporate — Bloomington, MN
Software Engineer — March 2020 - Present

- Building out internal enterprise platforms that support and streamline release of mobile applications. Currently engineering internal tool using .NET Core and C#; building out RESTful APIs and middleware; using Entity Framework to query SQL. Developing front-end in Typescript and React. Managing devops and releases using Azure.
- Engineering out a Mono-repository which houses mobile components, mobile libraries, and mobile apps. Using Nrwl library to manage monorepo. Manage CI/CD workflows and pipelines. Implementing app analytics library integration through Microsoft App Center SDK.
- Using modern software engineering concepts and principles on the job including Microservices, agile development methodology, test-driven development, continuous integration, and deployment practices
- Writing GraphQL services to expose RESTful APIs from internal .NET project to clients for external use.
- Developed a React Native based app for Best Buy store employees; integrated Spring boot API services. Built a WebRTC-based peer-to-peer video conferencing feature into app using Jitsi SDK. Utilized Socket.io to allow end users to handle real time customer management.

Daugherty Business Solutions — Bloomington, MN
Software Engineer (Consultant @ Best Buy) — January 2020 - March 2021

- Worked as a FTE consultant at Daugherty where I designed, developed and tested software applications. As a consulting software engineer, I delivered measurable value for clients through software. I converted to FTE with client(Best Buy) March 2021 after I was given a full time offer from client.
- Supported Daugherty clients using modern software languages, frameworks, and tech stacks. Worked with clients to understand complex business problems to develop software solutions.
- Collaborated with DevOps, Release Engineering, and Operations to ship new features and fixes for products at a regular cadence.

Apex Systems — Bloomington, MN
Software Engineer Consultant — April 2019 - December 2019

- Supported Optum Tech (UHG) initiative to modernize Optum financial tools. Worked on revamping and building out the Optum Bank platform using modern tools and frameworks on the Optum Financial Services Team.

Spark Labs — Woodbury, MN
Application Developer — August 2018 - March 2019

- Worked as Software Developer for Spark Labs, a boutique software development firm. Built full stack software applications for clients that ranged from startups to large organizations.

U of M - Anesthesiology Dept. — Minneapolis, MN
Student Developer Intern — September 2016 - May 2017

- Worked on development of a web portal (data repository). Supported existing Anesthesiology Dept website using Drupal.

SKILLS SUMMARY

- **Languages**:   C#, Javascript, Typescript, Python, Java, SQL, Bash, Vim
- **Frameworks**:   React, React Native, .NET Core, NodeJS, Flask, Ionic
- **Tools**:   Docker, Git, Github Actions, Jenkins, Azure Devops

PROJECTS

- **Udify**: Analytics tool for Shopify built in Python, Flask, and Angular. Utilizes microservices architecture.
- **Handwritten Notes to Google Docs** : Transcribes images of handwritten notes on to Google docs. Uses Google Vision API to detect text images. Google Docs API used to generate document and insert detected text. Firebase used for data persistence and user authentication. Petite vue.js used on client side.

EDUCATION

U of M - CCAPS — Minneapolis, MN
Certification in Full Stack Software Engineering — 2018

University of Minnesota - Twin Cities — Minneapolis, MN
Bachelor of Science - Biology — 2017

OTHER ACTIVITIES

- **Blacks in Tech BiT**: Tech focused community
- **National Society of Black Engineers**: NSBE Member
- **Toastmasters**: Improving public speaking skills