TEMISAN IWERE

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EDUCATION

Honours Bachelor of Science, University of Toronto   June 2019
Computer Science Specialist

TECHNICAL SKILLS

- **Languages:** Python, Java, C, C#, Solidity
- **Web:** React, Django, Typescript, REST, HTML, CSS, JavaScript, StoryBook
- **Database:** ElasticSearch, PSQL, Redis, MongoDB, Firebase
- **Mobile:** Android, Swift/iOS
- **Automation testing:** TDD, Selenium, Chai, Jest
- **Monitoring:** Sentry
- **Project Management:** JIRA, Agile

PROFESSIONAL EXPERIENCE

Senior Software Engineer, BenchSci   June 2023 – Present

- Led the architectural design and implementation of a system aimed at identifying new categories of drug safety risks beyond FDA coverage, empowering risk analysts to proactively recognize potential risks associated with their drugs.
  - Redesigned critical REST APIs and designed a data model that optimized search read patterns across Postgres and BigQuery databases.
  - Optimized Elasticsearch queries for complex risk data retrieval, ensuring low latency and backward compatibility.
  - Collaborated with the ML, Data, Search and Science teams to ensure timely project delivery and maintain open communication across all stakeholders.
- Led a 3-person team in designing, implementing, and deploying a system that retrieved drug efficacy and safety data from the FDA, which helped scientists predict risks more efficiently during preclinical research.
  - Designed and implemented REST APIs for retrieving and processing FDA data.
  - Created reusable React components with MaterialUI, integrated them into the company's design system, laying the groundwork for future third-party integration projects.
- Effectively managed mid to large-sized projects by scoping, prioritizing, and breaking down user stories. Led agile ceremonies including backlog grooming, retrospectives, and sprint planning.
- Participated in engineering committees collaborating with the SVP of Engineering, HRBPs, and DEI director to enhance inclusivity and equity in the promotion process, learning programs, and engineering culture.
- Participated in multiple engineering guilds aimed at improving code quality and engineering standards across the company.
- Led system design interviews for senior software engineer candidates and trained new interviewers.

Software Engineer, BenchSci   Nov 2020 – May 2023

- Led a frontend migration project from class-based React & Redux selectors to TypeScript and functional React components, improving performance and aligning with product design standards.
- Developed reusable TypeScript and React frontend components utilized across three applications, which optimized developer workflow and experience.
- Participated in a 24/7 on-call rotation as a Support Engineer for critical production incidents. Responsibilities extended beyond triaging and fixing issues to include running and documenting postmortems, ensuring implementation of root cause analyses, and long-term prevention measures.
- Developed SQL queries to construct materialized views from large datasets to create denormalized tables, enhancing read performance.

- Implemented and maintained third-party app integrations (KnowledgeOwl, LaunchDarkly, Auth0) for users, enabling a customized app experience. Ensured secure authentication & authorization for SSO users, first-time users, and controlled data access using JSON web tokens.
- Promoted learning and knowledge sharing through lunch and learn presentations and onboarded multiple teammates across various teams, serving as a buddy to guide them. Actively participated in numerous internal and external mentorship programs.

Associate Software Engineer, Publicis Sapient   July 2019 – Oct 2020

- Developed, tested and deployed multiple application features for a Fortune 500 client using React and AltJS for state management which improved site reliability, overall performance and user experience.
- Seamlessly and securely integrated internal and external APIs into the application while maintaining efficiency.
- Conducted research on new initiatives and current technology trends to improve the development processes and architecture of the client's applications.
- Worked with the DevOps team to streamline and automate multiple internal processes, improve CI/CD and the quality of features released.

Technology Educator, Tech Spark   Jan – June 2019

- Taught introductory web development to a class of 40+ teenagers using HTML, CSS, and JS.
- Created and organized teaching content for classes which consisted of multiple sample projects.
- Collaborated with various high schools around the GTA to provide these classes to their students as an extracurricular activity.

Web Developer, UofT Entrepreneurship Hatchery   Sept 2018 – Feb 2019

- Added features to improve the UX of the incubator's website using ReactJS, HTML, CSS and JS.
- Worked closely with a graphic designer to enhance the website's User Interface design.
- Planned and executed bulk database updates with minimal downtime in Postgres using SQL scripts.

Automation Test Engineer Intern, Intact Financial Corporation   May 2017 – Aug 2018

- Deployed a scalable end-to-end test suite utilizing Selenium and TestNG, replacing manual QA processes for testing insurance quoting and policy creation, which resulted in a doubling of QA productivity.
- Collaborated with Business Analysts to formulate test cases based on requirements specification documents, enabling the team to achieve comprehensive unit and integration test coverage across critical business functions.

EXTRA-CURRICULAR ACTIVITIES

Co-Chair, Black@BenchSci   Sept 2023 - Present

- Offered support for Black employees and organized impactful programs to enhance their work experience.
- Formulated a charter for the ERG and outlined a comprehensive roadmap for the year.
- Collaborated with the CEO, talent team, leadership team, other ERGs, and the DEI department to drive various initiatives aligned with company values, contributing to culture improvement.

Co-founder, NSBE Hacks UofT   Jan 2019