

Sherif Ghonaim

Toronto, Ontario, Canada | +1 (905) 626-3433 | sherif.ghonaim@gmail.com | [LinkedIn](#) | [Portfolio](#)

WORK EXPERIENCE

Incogtek Software Solutions

Winnipeg, Manitoba, Canada

Lead Software Engineer

January 2023 - Present

- Developed a groundbreaking solution to address the challenges in conservative cultures within the match-making space, resulting in a powerful tool that revolutionizes the way relationships are approached.
- Developed and executed a software architecture plan to optimize scalability, security, and performance resulting in the successful deployment of 4 distinct application components on Heroku.
- Created an Angular Front-End SPA utilizing advanced libraries such as NgRx, RxJs, & Material. This innovative approach enhanced user interface functionality and responsiveness while ensuring seamless navigation throughout the platform.
- Designed and implemented a robust authentication server utilizing industry-leading OWASP compliant technologies, such as bcrypt, Redis, and JWT, ensuring top-notch security practices and standards.
- Built a secure and scalable node/express services Back-End application that adheres to the security protocols defined by the Auth server.
- Designed and implemented a database with validation rules that align with both Front-End and Back-End validation requirements, guaranteeing a high level of data consistency.

Buildops

Santa Monica, CA, USA

Software Developer

October 2021 - December 2022

- Collaborated with cross-functional teams to develop and maintain multiple full stack features for Pricebooks, Quotes, Purchase Orders and Job Reports to ensure seamless integration and delivery of high-quality products.
- Implemented several wide-scale Front-End safe refactors in React, resulting in improved code quality and significantly increasing application performance.
- Innovated the creation of multiple scalable dynamic common components, reducing development time and enhancing user experience.
- Devised multiple scalable dynamic common component frameworks, resulting in a significant increase in feature consistency and reusability across the organization.
- Developed and optimized multiple back-end features as Node GraphQL services, resulting in an increase in overall system performance.
- Designed and executed database migration and change scripts, successfully migrating old data to new data while maintaining consistency, resulting in an application that is easily updatable without compromising the integrity of the old data.
- Coordinated and executed AWS deployments to multiple environments round the clock, ensuring continuous integration and delivery of software updates.

Royal Bank of Canada

Toronto, Ontario, Canada

Senior Software Developer

June 2019 - October 2021

- Created a new Single Page Web Application through collaboration with a vetted team of elite software engineers to develop an entirely new design and technology stack, significantly improving user experience and customer satisfaction.
- Developed and executed a comprehensive A/B testing and feature management plan for a new software product, gradually transitioning clients to begin utilizing it before it reached 100% completion, leading to increased client satisfaction and early adoption.
- Implemented an Angular front-end SPA, utilizing advanced libraries such as NgRx, and RxJs, delivering cutting-edge core banking payment features, resulting in an improved user experience and increased customer satisfaction.
- Utilized Spring Boot and Node REST-ful services to deliver robust back-end payment features, resulting in faster processing times and reduced downtime.
- Fulfilled RBC's accessibility standard in compliance with AODA for every feature, resulting in a 100% pass rate for accessibility audits.
- Streamlined the hotfix process and document by collaborating with cross-functional teams, resulting in a significant reduction in bug fix turnaround time and an increase in overall productivity.
- Contributed to daily code collaboration on a large-scale git mono-repo shared between 9 squads, facilitating seamless code integration and delivery.
- Executed and managed a rigorous testing and deployment strategy that increased code coverage to 95-100%, utilizing Jenkins for automated daily test runs and deployments to testing and production environments
- Led the development team as an active leader within the squad, ensuring developers were shielded from distractions and maintaining focus on delivery deadlines, significantly improving the overall team efficiency.
- Developed and implemented a thorough production defect investigation process which reduced average resolution time.
- Mentored junior developers and co-op students through daily code review sessions, fostering their growth and improving code quality. Developed a comprehensive Technical Norms Document that served as a guide for developers, resulting in improved collaboration and adherence to coding standards.

Software Developer

December 2016 - June 2019

- Developed and deployed highly scalable MVC web applications using Spring framework (Classic & Boot) on IBM Bluemix and Pivotal Cloud Foundry clouds, resulting in an increase in user engagement.
- Utilized Websphere Portal to enhance portlets by configuring EARs, enabling access to new web applications with personalized user experiences and improved process control, resulting in an increase in application performance.
- Implemented rigorous testing protocols using JUnits, Mockito, and JaCoCo to maintain code coverage.
- Developed comprehensive internal documentation for RBC's accessibility standards and innovative solutions, facilitating process standardization across teams and ensuring consistent compliance with AODA.

LOTUS TECH TRADING

Web Application Developer

Nasr City, Cairo, Egypt

June 2010 - July 2016

- Developed and implemented innovative web application solutions using HTML, CSS, and Javascript libraries, resulting in an increase in user engagement.
- Maintained regular communication with remote team members to ensure efficient collaboration and timely delivery of code, leading to a decrease in project timelines.
- Enhanced the overall user experience by designing and implementing an intuitive and visually appealing product layout, resulting in an increase in customer satisfaction.
- Implemented advanced Javascript front-end frameworks to enhance the product's functionality, resulting in an increase in overall performance and a reduction of bugs.
- Ensured application security through meticulous manual testing, automated testing, and debugging processes, reducing the number of reported vulnerabilities.

IBM

Markham, Ontario, Canada

M.Sc. Co-op - Rational Developer for Power Systems (RDP) Software Developer

May 2012 - August 2013

- Collaborated with cross-functional team members using Agile methodology, actively contributing innovative development ideas and improvements in daily scrum meetings, resulting in an increase in productivity and faster completion of sprints.
- Established versatility by successfully working on multiple product lines and programming languages across various systems, showcasing adaptability and flexibility to meet project requirements.
- Utilized advanced Java software development skills to solve complex technical issues, resulting in a reduction in system downtime and improved overall system performance.
- Conducted comprehensive manual and automated JUnit testing on various systems, including IBMi, resulting in an improvement in product integrity across all builds.
- Identified and documented defects during testing, leading to the implementation of best practices and continuous improvements that increased product cohesiveness.
- Utilized Eclipse for code debugging, delivering efficient software development solutions that enhanced product precision.

EDUCATION

Lakehead University

Thunder Bay, Ontario

Master's in Computer Science

2015

Bachelor's in Computer Science

2010

SKILLS

Programming Languages: Javascript, Typescript, Java, HTML, CSS, MySQL, PHP, RPGLE, XML

Notable APIs, Libraries, and Tools: Javascript/Typescript: Angular, React, Redux, RxJS, NgRx, Node, Backbone, Underscore, jQuery, MUI, Bootstrap, Jest, Jasmin, Redis

Java: Spring Classic & Spring Boot (w/ Thymeleaf), JPA, Hibernate, CDI, JAX-RS, Servlets, Mockito, JaCoCo

Back-end: GraphQL, REST, Nginx, NodeJS, Liberty, AWS, Heroku, Bluemix, Wildfly (JBoss), Websphere Portal, Knex

Mobile: Android SDK, BlackBerry SDK Graphics and Audio: JOGL and JOAL

IDEs: IntelliJ, Eclipse (incl. RTC, RDP), Visual Studio Code

Cloud: Red Hat OpenShift, Bluemix, Pivotal Cloud Foundry

Version Control: Git, SVN

Agile: Kanban, JIRA, Certified SCRUM Master

Coding Philosophy: Clean Code & The Clean Coder