

# Jay N Choksi

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## Highlights Of Qualifications

Detail-oriented Web and Software Developer, curious to ask why in life. Having hands-on experience in front-end technologies, UI/UX collaboration, and software testing. Passionate about building creative tools and performant web experiences, with a strong foundation in JavaScript and Java. Proven ability to communicate technical concepts clearly and work cross-functionally with designers and developers

## Core Competencies

- RESTful APIs
- Agile Methodologies
- SDLC lifecycle planning
- Software Testing
- Critical Thinking
- Teamwork
- Cloud Deployment
- Version Control
- Project Coordination
- Responsive UI/UX
- Secure Coding
- Open-Source Development

## Education

### Mohawk College of Applied Arts and Technology, Hamilton, ON

*Advanced Diploma in Computer System Technology – Software Development*

- Specialization in software and hardware integration, high Distinction in Client-Side Programming (Grade: 90).
- Coursework: Client-Side Programming (HTML5, CSS3, JavaScript), Server-Side Programming (PHP, JavaScript), Web Application Development & Testing, UI/UX Design (Figma, Canva), Software Documentation & Quality Assurance, Data Structures & Algorithms (JAVA), Cloud Computing (Microsoft Azure).

### Mohawk College of Applied Arts and Technology, Hamilton, ON

*Diploma in Computer System Technician – Software Support*

- Developed foundational expertise in web development and programming, excelling in software application.
- Gained foundational skills in troubleshooting, systems analysis, and application support

## Experience

### Learning Support Centre, Hamilton, ON

*Peer Tutor*

- **Delivered** 1:1 and group-based tutoring for technical topics including HTML, CSS, JavaScript, Python.
- **Mentored** 30+ peers, translating complex JavaScript concepts into clear steps, boosting lab pass-rates 15 %.
- **Assisted** peers with logic building and Python-based data handling exercises including file parsing and algorithm optimization.

### The Starbucks Coffee Company, Hamilton, ON

*Coffee Barista*

- **Improved operational efficiency:** *Streamlined* order flow, *reducing* peak wait time 15 % during daily-order rushes.
- **Store Partner of the Quarter Award (Canada):** Recognized with the Store Partner of the Quarter Award for exemplary service and innovative problem-solving.

## Certifications

- GIT & GitHub Essentials - [LinkedIn](#)
- Kaggle Generative AI Intensive Certificate

## Open-Source Contribution | OWASP

- **Analyzed** and resolved security vulnerabilities, documenting solutions clearly within OWASP community software standards.
- **Collaborated** on community-driven projects, enhancing tools and documentation for software security standards.
- **Coordinated** development tasks and deadlines in peer tutoring workshops and OSWAP contributions using Agile methodologies.

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## Projects

1. **Automated System Health Checker | Bash** | [GitHub](#)
  - Developed a Bash script to automate system health monitoring, checking CPU usage, disk space, memory availability, and validating critical service status. Configured automatic email alerts for threshold violations, improving proactive support readiness.
2. **Rail Logistics Simulation API** | [GitHub](#)
  - Built a RESTful API to simulate freight rail operations, including endpoints for managing trains, shipments, cargo details, and repair history. Structured a normalized database, seeded test data, and implemented CRUD functionality to model logistics workflows.
3. **AskHub** | [Render](#)
  - Built a dynamic Q&A web platform with RESTful APIs and real-time timestamp updates for enhanced user interaction. Utilized SQLite for efficient content management and deployed a responsive, user-friendly interface on render.
4. **Geolocation Map App | React Native, API Integration** | [GitHub](#)
  - Created a mobile app that fetches and displays location data on interactive maps using external geolocation APIs, optimized for mobile gestures.
5. **Developer Portfolio** | [JavaScript](#) | [Live](#)
  - Designed and deployed a minimalist portfolio template for aspiring developers, showcasing projects and providing clean code structure for customization.
6. **Spotify UI** | [HTML, CSS, JavaScript](#) | [Vercel](#)
  - Recreated the core frontend layout of Spotify with responsive styling and mobile-first design principles to demonstrate UI precision and UX alignment.

## Extra-Curricular

1. **Executive Member | The New Dev Club, Mohawk College | Fall 2023 – Present**
  - Leading workshops on new technologies, particularly focusing on the application of security practices.
2. **Student Leadership Volunteer | Mo Crew, Mohawk College | Winter 2024 – Present**
  - Spearheading code reviews and technical discussions to enhance project outcomes.
3. **Sustainability Lead Volunteer | Green Team, Mohawk College | Fall 2023 – Present**
  - Orchestrating campaigns promoting sustainable practices within the college community.
4. **Community Champion Volunteer | Starbucks Giving Match | Summer 2024 – Present**
  - Volunteered at Starbucks' Giving Match program, logging community service hours that secured matched grants for qualified non-profit organizations and reinforced my commitment to impactful initiatives.

## Technical Skills

- **Web Development:** Front-end (ReactJS, React-Native, HTML5, CSS3, JavaScript), Back-end (NodeJS, ExpressJS, RESTful APIs).
- **Frameworks/Tools:** Selenium, Katalon Recorder, Manual Testing, Automated Test Scripting, Bug Tracking.
- **Data Engineering & Scripting:** SQLite, SQL Server, MySQL, JSON, Python, Bash, PowerShell.
- **Version Control & Collaboration:** Git, GitHub, GitHub Projects, JIRA.
- **Operating System:** UNIX based - Linux & MacOS (primary), Windows.
- **Problem Solving:** JavaScript, Python, Data Structure & Algorithms – Java.
- **Development Environments:** VS Code, Visual Studio 2022, JetBrains, Atom.