Jay Choksi

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Versatile Junior Full-Stack Developer with hands-on experience building AI-powered web solutions and supporting secure enterprise systems. Strong in API design, relational data modeling, **test-driven development**, documentation, and automation with scripting. Known for clear communication, structured problem-solving, and thriving in fast-moving, collaborative teams.

Education

Mohawk College of Applied Arts and Technology	**Hamilton, ON**
*Advanced Diploma in Computer System Technology – **Software Development***	*Dec 2026*

DISTINCTIONS: Mobile Web Programming (97), Dev Tools (93), Computer Mathematics (91), Client-Side Web Programming (90).

COURSES: Server-Side Programming, Advanced Databases, Systems Analysis, Software Quality Testing, Data Structures Algorithms, Introduction to Networking, Introduction to Sociology, Cloud Computing, Contemporary Ethical Issues.

Technical Skills

LANGUAGES: TypeScript, JavaScript, Python, Java, C#, SQL, Bash, PowerShell, Kotlin.

FRAMEWORKS: Node.js, Express, REST APIs, EJS, React Native, HTML5, CSS3, Bootstrap, .NET.

AI-LLM: OpenAI APIs (Realtime), local inference with Ollama, system design fundamentals.

QA-TESTING: Junit, Xunit, Selenium, Katalon Recorder, API Testing, Integration Testing.

CLOUD-DB: SQLite, PostgreSQL, MySQL, MongoDB, PopSQL, SQL Server, Microsoft Azure (VMs/Sandbox).

DEVOPS: Git, GitHub, GitHub-Actions (CI/CD), Docker, Postman, Hoppscotch, YAML Pipelines, Visual Studio Code, IntelliJ, Visual Studio, Android Studio, PuTTY.

Experience

TransUnion Canada	**Burlington, ON**
IT Administrator – End User Computing	*Dec. 2026*

- **Administered** Active Directory accounts and access policies, **enforcing secure controls** for **350+ employees** and supporting least-privilege practices. **Improved** ticket throughput to **87% efficiency within four months** by **streamlining triage workflows**, tightening response processes, and documenting repeatable fixes.
- **Deployed and maintained** Windows laptops/desktops via **SCCM, Intune, and Autopilot**, ensuring consistent imaging standards and reliable endpoint rollouts. **Resolved** hardware/software/network escalations (VPN connectivity, patching, application failures, peripherals), including **MFA configuration** and secure access troubleshooting.
- **Authored** SOPs and knowledge base articles and **automated** routine admin tasks via **PowerShell scripting**, improving consistency.

Projects

Internship Platform (Capstone)

Next.js | Node.js | Express | PostgreSQL (Supabase) | REST APIs

- **Architected** a full-stack platform centralizing co-op reviews, resources, and placement guidance, with a focus on scalable data structures and maintainable backend patterns. **Implemented** authentication and profile management to support **personalized experiences** and **role-based access** aligned with real-world platform needs.
- **Built** search + filtering workflows over placement data to improve discoverability and decision-making for students navigating co-op opportunities. **Led** Agile sprint deliverables and **maintained** technical documentation for clean handoffs and consistent team execution.

AI Voice-Assisted Agent (Applied Research)

Python | OpenAI | Realtime API | REST APIs | Streamlit | Ollama | JSON

- Developed **RESTful APIs to connect a voice-agent pipeline to backend services and** structured onboarding data flows **for reliability and clarity.** Integrated **the** OpenAI Realtime API **with a Python backend for** bidirectional voice streaming, **session-state handling, and stable request/response behavior.**
- Implemented **unit tests for critical integration points and** documented **expected vs. actual outcomes to support validation and reproducibility.** Produced **system architecture documentation and API specs;** contributed **to a research paper focused on accessible onboarding experiences.**

Certifications

- CS50's Introduction to Computer Science – Harvard College
- WEB 3.0 + Data Structure & Algorithms – Apna College