SOHEL SHEKH

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SUMMARY

- Adaptable across tech stacks, with hands-on experience in full stack web, cloud and automation development
- Built and optimized systems at scale web apps to APIs to AWS deployments handling millions of operations
- Strong problem-solver with focus on performance, scalability, and security, where millisecond optimizations matter
- Active in the hackathon community as a mentor, judge, and workshop host, supporting 1000+ students
- Growth-driven technologist, continuously learning and experimenting to turn ideas into practical, impactful solutions

SKILLS

Programming Languages	JavaScript, TypeScript, Python, SQL, Java, C#
Frontend Technologies	React, Next.js, TailwindCSS, ShadCN, Framer Motion, Three.js, GSAP
Backend Technologies	Node.js, Express.js, Flask, GraphQL, REST APIs, WebSocket, Strapi
Database Technologies	PostgreSQL, MySQL, MongoDB, Firestore, Redis
Cloud & DevOps	AWS (EC2, ECS, IAM, etc.), GCP, Docker, CI/CD, GitHub Actions, Nginx
Automation	Selenium, Puppeteer, Chrome Extensions
Testing & QA	Jest, Postman, Unit & Integration Testing, Debugging Tools
Tools & Concepts	Git, GitHub, MS Suite, Microservices, SDLC, Agile / Scrum, OOP, DSA, Design Patterns

EXPERIENCE

Software Developer Co-op | Knovatek Inc, *Toronto, ON*   *May 2025 – Aug 2025*

- Planned and implemented Shopify & Square **POS integration** in Node.js, eliminating manual re-entry of online orders
- Contributed to a React dashboard for restaurant managers to track orders and generate daily sales reports
- Automated daily reconciliation of Shopify and Square transactions using SendGrid, improving reporting accuracy
- Assisted **QA testing** and client demos, identifying and resolving **15+ critical bugs**, accelerating release cycles

Software Developer | Confidential, *Toronto, ON*   *Sep 2024 – May 2025*

- Built a **cloud-native automation** platform (Node.js, Redis, AWS) handling **2M+ database operations** with **99.9% uptime**
- Optimized workflows to the millisecond level, ranking among the **fastest applicants** in 2–3k user pools
- Applied Redis caching, async queues, and circuit breakers for **fault tolerance** under heavy load
- Set up **real-time monitoring and alerting** with AWS CloudWatch, improving reliability and system visibility

Backend Developer Intern | Zeuty, *Waterloo, ON*   *May 2024 – Jan 2025*

- Developed **scalable APIs** with Express.js & TypeScript handling authentication and **data workflows** for 4k+ users
- Built and **normalized PostgreSQL schemas**, reducing anomalies and improving query performance by 30%
- Built 80+ reusable utility functions, streamlining codebase and reducing maintenance overhead
- Configured an email server for transactional messaging, improving communication reliability for users

Backend Executive | UofTHacks 12, *Toronto, ON*   *May 2024 – Jan 2025*

- Migrated backend infrastructure from JavaScript to TypeScript, improving maintainability and scalability by 18%
- Implemented RESTful API endpoints with OpenAPI documentation, reducing developer onboarding errors by 30%
- Revamped user and admin dashboards with real-time analytics, notifications, and JWT security for thousands of participants
- Collaborated with the organizing team to deliver a stable platform for **Canada's largest student hackathon**, supporting smooth event execution

ADDITIONAL EXPERIENCE

VP of Backend | Hackathons Canada, Waterloo, ON   *Aug 2024 – Present*

- Leading a team of backend developers in designing and scaling secure APIs and event management systems
- Architecting and optimizing backend infrastructure for performance, security, and scalability
- Establishing best practices and standards for backend development across the team

Hackathon Mentor & Judge | Ontario, CA   *Jan 2024 – Present*

- Judged 500+ teams and mentored 350+ teams across 10+ hackathons
- Delivered 10+ workshops on modern web/cloud development, mentoring over 1,500 participants
- Managed event logistics for 500+ teams, ensuring seamless registration, team formation, and live technical support

Vice President & Mentor | Iterate Again (Web Development Club), *Brampton, ON*   *May 2024 – Jan 2025*

- Mentored students starting their web development journey, guiding them through hands-on projects
- Designed low-fidelity wireframes for the club website and organized coding sessions
- Delivered workshops on emerging technologies, helping peers develop real-world applications

PROJECTS

Restaurant Franchise Management System – AI-Driven Dashboard for Sales Forecasting ([GitHub](#))

- Full-stack platform with AI-powered sales forecasting and interactive dashboards
- Built with Next.js, Node.js, PostgreSQL, and 80+ reusable React components for inventory and reporting

School Bell IOT System – Secure, Cloud-Synced Scheduling System ([GitHub](#))

- Raspberry Pi based system for automated scheduling and bell control, supporting hybrid cloud-local sync
- Implemented PIN-based security, NTP precision timing, and real-time monitoring

Audio Sync App – Multi-Device Audio Playback with Low Latency ([GitHub](#))

- Cross-platform app using React Native + Python sockets to sync audio across devices
- Achieved low latency streaming and dynamic connectivity for multi-speaker playback

EDUCATION

Sheridan College, Davis Campus   *Jan 2024 – Apr 2027*
Computer Systems Technology Advanced Diploma – Software Development & Network Engineering   *GPA: 3.79/4*
Relevant Coursework: Data Structures, Algorithms, Software Engineering, AI/ML, Data Communications & Networking