Eshaan Chaudhari

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SUMMARY

- 2+ years of full-stack development experience across a range of front-end and back-end technologies
- Software Engineering and Management graduate from McMaster University
- Built new features for external users, fixed production defects, enhanced QA workflows for reliable delivery, and translated business requirements into technical software designs
- Developed microservices and REST APIs for large-scale systems on Azure and AWS, with experience in both synchronous and event-driven architectures

EDUCATION

McMaster University   Hamilton, ON
Bachelor of Engineering   Graduated 2024
Software Engineering and Management   GPA: 3.5/4.0

EXPERIENCE

Manulife   Toronto, ON
Full Stack Software Engineer   June 2024 - Present

- Developed new front-end features using React and back-end functionality with C# in .NET framework, applying object-oriented design to meet business requirements in an Agile web development environment
- Resolved production defects by analyzing logs in Devo and New Relic, reducing defects below 1%
- Designed and developed a new application using a React-based micro frontend and a Node.js microservice
- Performed security compliance checks on Azure clusters, configured proxies for cross-cluster resource access and restructured Redis caching to improve memory efficiency and data reusability

Ciena   Ottawa, ON
Software Engineer Intern   May–Aug 2021, May–Aug 2022

- Built a real-time notification system for networking applications using Java and Spring with Kafka
- Developed new back-end features for RESTful APIs and microservices using OOP in a distributed system
- Translated business requirements into scalable software designs and collaborated with product owners
- Fixed production defects, documented features and supported end-to-end delivery from planning to release

Software Automation Developer Intern   Sept 2020–Apr 2021

- Developed test automation for microservices using JavaScript and Postman with TeamCity for CI/CD
- Built a Node.js tool to visualize service dependencies, enabling efficient QA testing on affected services
- Automated pull request validation in Python and built a reusable graph library for internal tools

Helping Hands   Mississauga, ON
Software Developer Intern   July–Aug 2019

- Rebuilt 90% of the front-end using React to deliver new responsive components for improved UX

PROJECTS

GazeTracker (Capstone Project)

- Collaborated with psychology researchers to develop a browser-based gaze estimation plugin in JavaScript using jsPsych, enabling real-time on-device gaze tracking without specialized hardware or video uploads
- Built a real-time pipeline combining a face detection model, a lightweight neural gaze estimation model (pitch/yaw), and user-specific calibration to predict on-screen coordinates at 30 FPS on consumer laptops
- Trained lightweight CNN models using PyTorch, deployed with ONNX for real-time on-device inference, built a calibration UI to collect runtime data for a local regression model to achieve ~3° angular accuracy

SKILLS

Languages	Python, JavaScript, TypeScript, C#, Java, SQL, Bash
Frameworks	React, Angular, Node.js, Express.js, .NET, Spring Boot, PyTorch, Flask
Web Technologies	HTML, CSS, REST APIs, WebSockets, JSON, GraphQL, gRPC
Tools & Platforms	Git, Azure, AWS, Docker, Jenkins, Kafka, Redis, MongoDB, Postman, Snyk, NumPy