

Shivam Sahdev

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Summary

Results-driven Software Developer with 5+ years of experience in full-stack development, DevOps, and release management for financial services. Expert in Node.js and .NET/C#, with strong Angular, TypeScript, and JavaScript skills, plus experience in Micro Frontend (MFE) architecture and Figma. Experienced in building scalable REST APIs and CI/CD pipeline optimization. AWS Certified with hands-on experience in cloud-native development using AWS services. Strong advocate of Agile/Scrum, SOLID principles, and AI-assisted development tools like GitHub Copilot.

Experience

BMO Financial Group | *Application Developer* | Toronto, ON

July 2022 – Present

- Design and develop scalable web applications using Angular, React, and Node.js in an Agile/Scrum environment
- Implement Micro Frontend (MFE) architecture, enabling modular, independently deployable frontend applications
- Lead and contribute to cloud migration initiatives, transitioning legacy on-premises systems to AWS, improving scalability and system reliability
- Build and maintain CI/CD pipelines using Azure DevOps, automating build, test, and deployment processes
- Develop end-to-end application workflows, from frontend UI to backend APIs and integration layers
- Collaborate with cross-functional teams, including QA, DevOps, and product owners, to deliver high-quality releases
- Practical experience applying AI tools across the software development lifecycle, including areas such as code generation, testing, and documentation.
- Applied AI tools (GitHub Copilot, Claude) across the SDLC to accelerate code generation, automate unit test creation, and streamline documentation, reducing feature delivery time by ~30% and increasing test coverage from 65% to 85%.
- Participate in code reviews, ensuring adherence to best practices, clean code principles, and security standards

CAAT Pension Plan | *Software Developer & Tester* | Toronto, ON

September 2021 – July 2022

- Developed backend services using ASP.NET (C#), creating loosely coupled, maintainable components following SOLID design principles.
- Designed and documented RESTful APIs using Swagger, supporting clean integration across pension management modules.
- Wrote comprehensive unit tests for controllers and maintained the regression test bed, improving test coverage and release confidence.
- Automated test scenarios using Ranorex Studio, reducing manual QA effort and improving defect detection rates.
- Leveraged Microsoft Azure for project tracking, version control, and deployment workflows within an Agile team.

Health Compass | *Software Developer* | Co-op | North York, ON

January 2021 – April 2021

- Built RESTful backend services using Java and Spring Boot, following agile development practices.
- Developed responsive, component-based UIs in Angular with TypeScript and RxJS, integrating REST APIs and reusable modules to improve maintainability
- Contributed to iOS app design and collaborated with UX designers to enhance the user interface and user experience.

Skills

Programming Languages: JavaScript, Java, C#, Python

Front-End Development: Angular, React, RxJS, Micro Frontend (MFE) Architecture

Back-End Development: Node.js, RESTful API, Express.js, Oracle SQL, MongoDB, DynamoDB, PostgreSQL

Cloud & DevOps: AWS Certified, CI/CD Pipelines, OpenShift Docker, GitHub, Kubernetes, Ansible, Airflow

Tools, Practices: Agile Development, Microservices, Jira, ALM, GitHub Copilot, Code Reviews, Figma

Project ([Live](#) | [Source](#))

- Designed and deployed a micro-frontend Angular app (Nx, Module Federation, RxJS) with six independent MFEs, AWS Cognito auth, and live F1 data integration.
- Engineered an AI-powered race strategy simulator using Amazon Bedrock (Claude) via AWS Lambda, applying LLM orchestration and a RAG-based approach to deliver real-time win probability predictions grounded in live race data.
- Managed all AWS infrastructure (S3, CloudFront, Lambda, API Gateway) using AWS CDK and automated deployments with GitHub Actions CI/CD.