

# PESAD SEAN KYLE

## Sr.Full Stack Developer | .NET & Python Specialist

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🏠Ontario, CA

### Summary

Results-driven **Senior Fullstack Developer** with extensive experience in **C#, .NET, ASP.NET, Typescript, Angular, React.js, and Python**. Proficient in **Microservice & Micro-Frontends, RESTful APIs, DevOps (CI/CD, Docker, Kubernetes), SQL/NoSQL database (MySQL, PostgreSQL, MongoDB, Redis) and Generative AI tools like GitHub Copilot and Bolt** to enhance coding efficiency. Experienced in **AWS (Lambda, ECS, S3, Fargate) and Azure** for cloud-based deployments and infrastructure management. Passionate about continuous learning, cross-team collaboration, and delivering optimized solutions.

### Skills

React.js, Next.js, Vue.js, AngularJS, JavaScript, TypeScript, Node.js, C#, .NET core, ASP.NET, ASP.NET MVC, ASP.NET core, Java, Spring Boot, Python, Django, FastAPI, Flask, MySQL, MongoDB, PostgreSQL, SQLite, Google APIs, OpenAI, Restful APIs, GraphQL, AWS, GCP, Microsoft Azure, GitHub Copilot, Jira, Agile, Netlify, Vercel, CI/CD, Docker, Jest, Kafka, Cypress, NUnit, GitFlow, Terraform, LLM, LangChain, ChatGPT

### Experience

#### Freelance - Ontario

Sr. Software Engineer

Aug 2021 - Sep 2025

- Architected and developed **microservices** for a cloud-based AI-powered web application for streamlining insurance business, by utilizing ASP.NET Core, Angular and OpenAI API deployed upon Micro-Frontend platform.
- Developed a **Python-based backend service** for real-time data ingestion and processing in a fintech application. •Led the implementation of **CI/CD pipelines using Docker, Kubernetes, and GitHub Action**, reducing deployment time by 50%.
- Integrated **Azure Functions** and **AWS Lambda** for serverless processing, reducing cloud costs by 20% •Developed and optimized **SQL Server, PostgreSQL** databases, improving query performance and data integrity.
- Integrated **GraphQL and REST APIs** for efficient data querying and improved user experience.
- Managed cloud-based deployments and CI/CD pipelines using Azure DevOps, enhancing system efficiency.

#### Technova Systems Inc - Ontario, CA

Software Engineer

Feb 2018 - Jul 2021

- Designed and developed a **React.js and ASP.NET Core** SaaS platform for real-time data visualization.
- Developed **Python-based automation scripts** to streamline CI/CD pipelines and improve deployment efficiency.
- Implemented **Micro Frontend architectures** to modularize large-scale frontend applications.
- Integrated **D3.js** for interactive data visualization in financial analytics dashboards.
- Implemented **automated testing (Jest, Cypress, NUnit)** to improve code reliability and detect bugs early.
- Utilized Terraform for Infrastructure as Code (IaC) to automate cloud resource provisioning.

#### INNOVATECH - Ontario, CA

Fullstack Developer Jul 2016 - Nov 2018

- Developed an **Angular-based front-end** for a customer management portal, integrating with a **.NET Core backend**.
- Implemented **Micro-Frontend architecture**, improving scalability and independent deployment of UI components.
- Optimized **SQL Server** queries and **Entity Framework** usage for improved database performance.
- Integrated **third-party authentication services (OAuth, OpenID Connect)** for secure user authentication.
- Built **RESTful APIs** and improved request handling to reduce latency and increase system efficiency.

## Education

University of Toronto  
Bachelor's Degree, Computer Science

2011 - 2015

## KEY ACHIEVEMENTS

### Optimized Performance

Refactored .NET, Python and database queries, reducing API response times by 45% and improving system efficiency. Implemented caching layers using Redis and CDNs, leading to a 60% reduction in redundant API calls

### Microservices Architecture

Migrated a legacy backend to a microservices-based architecture using .NET, Python, Docker, and Kubernetes, resulting in 50% faster deployment times and improved system reliability.

### Scalability Enhancement

Designed and implemented a serverless event-driven architecture using AWS Lambda, DynamoDB, and SQS, improving system scalability and reducing infrastructure costs by 30%

### Database Performance Optimization

Implemented PostgreSQL query optimization and caching with Redis, reducing database response times by 45% and improving system scalability.

## Certifications

### AWS Cloud Technical Essentials

Acquired foundational knowledge of key AWS services

### Backend Engineer Certificate

Acquired skills in front-end and back-end technologies