[**PRISCA ONYEBUCHI**](https://www.linkedin.com/in/prisca-onyebuchi-725948226/)

**SOFTWARE ENGINEER & AI SPECIALIST**

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**PROFESSIONAL SUMMARY**

Versatile Software Engineer and AI Specialist with Computer Science degree (cum laude, Trent University) and 2+ years of professional experience spanning AI development, enterprise application modernization, and Microsoft 365 solutions. Built 65+ production-quality applications using cutting-edge AI-assisted development workflows while maintaining expertise in full-stack web development, database optimization, and enterprise system integration. Proven track record of translating complex business requirements into scalable technical solutions, with strong foundation in both emerging AI technologies and traditional software development practices. Bilingual professional (English/French) with experience serving diverse client needs across multiple industries.

**TECHNICAL SKILLS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **Programming Languages:** C#, PHP, Python, JavaScript, TypeScript, HTML5/CSS3, SQL, T-SQL
* **Web Frameworks:** Laravel, Next.js, React, Vue.js, ASP.NET, Node.js, RESTful APIs
* **AI & Machine Learning:** Prompt engineering, LLM evaluation, Claude AI, GPT integration, Copilot Studio, Make, Zapier, Cursor, AI agent orchestration
* **Microsoft 365 & Power Platform:** SharePoint Online, SharePoint Framework (SPFx), Power Apps, Power Automate, Power BI, Dataverse, Teams integration
* **Database Technologies:** SQL Server, MySQL, PostgreSQL, Eloquent ORM, database optimization, T-SQL stored procedures
* **Development Tools:** Git/GitHub, Visual Studio, Laravel Nova, PowerShell scripting, Agile/Scrum methodologies
* **Specialized:** UWP development, Apache Spark, Hadoop, big data processing, mobile applications, enterprise system integration

**PROFESSIONAL EXPERIENCE**

***AI Web Development Specialist & Code Reviewer - Outlier April 2025 – July 2025***

* **AI-Assisted Development Leadership:** Built 65+ production-quality web applications using advanced AI development workflows, specializing in prompt engineering and AI model optimization for superior application generation within 3-6 hour production deadlines
* **LLM Evaluation & Benchmarking:** Conducted comprehensive evaluation of multiple AI models including Claude AI and GPT systems, establishing performance benchmarks and quality standards for AI-integrated development across enterprise environments
* **Prompt Engineering Excellence:** Designed sophisticated prompts that consistently outperformed baseline AI models, creating "golden standard" implementations that exceeded both AI outputs and traditional development approaches
* **Quality Assurance Leadership:** Promoted to Senior Code Reviewer, establishing evaluation frameworks and technical standards for AI-generated solutions across development teams, ensuring adherence to best practices and optimal implementation patterns
* **Rapid Solution Delivery:** Demonstrated ability to balance speed with technical excellence, delivering complete, responsive applications spanning e-commerce platforms, interactive tools, and complex enterprise solutions while maintaining production quality standards
* **Cross-Platform Development:** Created applications using diverse technology stacks including HTML/CSS/JavaScript, TypeScript/Next.js, React, and modern frameworks, showcasing adaptability to various client requirements and technical specifications

***Software Developer – eCenter Research May 2024 – March 2025***

* **Enterprise Application Migration:** Led comprehensive migration of web applications from Yii framework to Laravel, refactoring legacy codebases for improved performance, maintainability, and scalability while preserving critical business functionality
* **Laravel Development & Architecture:** Architected and developed custom Laravel Nova administrative interfaces, including complex dashboard implementations with calendar views, real-time data visualization, and enhanced user experience components
* **Database Engineering & Optimization:** Designed and optimized MySQL database schemas, implemented complex Eloquent relationships, and wrote efficient SQL queries resulting in 40% performance improvement across enterprise applications
* **API Development & Integration:** Developed RESTful APIs and integrated third-party services including Google APIs, implementing proper authentication, validation, and error handling protocols for seamless system communication
* **Frontend Development:** Built responsive, interactive UI components using Vue.js and modern JavaScript frameworks, ensuring cross-browser compatibility and optimal user experience across diverse client environments
* **DevOps & Collaboration:** Managed code repositories using Git/GitHub workflows, conducted thorough code reviews, and maintained comprehensive technical documentation for development teams and stakeholders
* **Full-Stack Problem Solving:** Debugged complex technical issues across the entire application stack, from database optimization to frontend rendering, developing systematic approaches to troubleshooting and performance enhancement

***AI Mathematics Trainer – Outlier Jan 2024 – April 2024***

* **AI Model Training & Evaluation:** Evaluated and ranked AI-generated mathematical responses for accuracy, educational value, and logical reasoning, contributing to large language model improvement in mathematical and analytical domains
* **Complex Problem Development:** Created sophisticated mathematical questions and comprehensive solutions for AI training datasets, demonstrating advanced analytical thinking and problem-solving capabilities
* **Quality Assurance Excellence:** Conducted detailed reviews of AI outputs and peer corrections, ensuring factual accuracy and maintaining high standards for mathematical AI training data and evaluation processes
* **Research Collaboration:** Successfully managed independent work in distributed research environment, meeting strict quality standards and deadline requirements while contributing to AI evaluation frameworks

***Technology Solutions Developer - Cambium-Inc Sep 2022 - Sep 2023***

* **SharePoint Administration & Development:** Designed and implemented comprehensive SharePoint Online sites including "Cambium Academy" knowledge base, managing complex permission structures, document libraries, and enterprise workflows serving 100+ users across multiple departments
* **Power Platform Solutions:** Built custom enterprise applications using Power Apps, Power Automate, and Dataverse integration, including automated vacation request system that streamlined approval processes company-wide and eliminated manual workflows
* **Microsoft 365 Integration:** Integrated SharePoint with Teams, Power Apps, and Power Automate to create seamless enterprise workflows, demonstrating expertise in Microsoft 365 ecosystem and comprehensive business process automation
* **Database Design & Implementation:** Architected Dataverse database structures for custom applications, implementing proper relationships, validation rules, and security protocols for enterprise data management
* **User Training & Technology Adoption:** Developed comprehensive training programs and created 60+ instructional videos for Microsoft Teams and SharePoint adoption, improving organizational collaboration and technology utilization across departments
* **Business Requirements Translation:** Collaborated with stakeholders to gather requirements, analyze business needs, and implement technical solutions that delivered measurable business value and operational efficiency improvements

**Personal and Academic Projects**

***COIS 4450 – Big Data Project Jan 2025 – April 2025***

* **Large-Scale Data Processing:** Collected and processed real-time Reddit election data using Python, R, Apache Spark, and Hadoop for scalable analysis and pattern recognition across distributed computing environments
* **Machine Learning Implementation:** Applied NLP sentiment analysis and machine learning algorithms to identify misinformation patterns, integrating fact-checking APIs (PolitiFact, Snopes) for automated verification and classification
* **Data Visualization & Reporting:** Developed interactive Power BI dashboards tracking misinformation metrics including virality calculations, controversy ratios, and cross-subreddit spread measurements for comprehensive trend analysis

***National Forest Inventory Application Sep 2024 – April 2025***

* **Enterprise UWP Development:** Architected and developed tablet-based data collection application using C#, XAML, and MVVM pattern for field research teams, implementing enterprise-grade mobile application architecture
* **Database Integration & Synchronization:** Designed T-SQL stored procedures and optimized queries for real-time data synchronization between mobile and server databases, ensuring data integrity in offline field environments
* **User Experience Design:** Created responsive, touch-friendly interfaces with dynamic layouts and real-time data binding, optimizing user experience for environmental data collection in challenging field conditions

**EDUCATION**

**Bachelor of Science in Computer Science:** Trent University, Peterborough, ON | 2021 – 2025  
**Honors:** Cum Laude (GPA: 3.6/4.0)  
**Relevant Coursework:** Software Engineering, Data Structures & Algorithms, Database Management Systems, Web Application Development, Big Data Analytics