

FNU DAHLIA

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FULL STACK DEVELOPER

Dedicated Software Engineer with 8 years of experience building high-performance enterprise applications, including 5+ years in retail (POS and ERP) and 2+ years in healthcare and engineering automation. Skilled across the full software development lifecycle, with expertise in C#, MS SQL, Angular, TypeScript, and additional experience in Java/Spring. Recently integrated AI models into workflow-focused projects using Python. Collaborative and adaptable, with a proven ability to deliver across industries and technologies.

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- Database Management • User Experience & User Interface (UI/UX) • Performance Optimization & Debugging
 - Web Services & API Development • Workflow Automation & Process Design • Applied AI & LLM Integration
 - Cross-Functional Team Collaboration • Cloud Computing

Languages: C#, TypeScript, Python

Web: HTML, CSS, Bootstrap, React

Web Services: RESTful API, SOAP, WebSockets

Web/App Servers: IIS, Tomcat, Nginx, AWS

Frameworks: .NET framework, .NET core, Spring Boot, Angular, Ionic

Databases: MS SQL, MySQL, PostgreSQL, Chroma

Design Patterns: Singleton, Decorator

SDLC: Agile, Waterfall

Tools: AWS, VS Code, Visual Studio, Eclipse, IntelliJ IDEA, Git, JIRA, Slack, GitHub, SVN

Platforms: Windows, Android, Amazon Web Service (AWS)

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

PROFESSIONAL EXPERIENCE

TRUSTED HUB, Singapore, Singapore • 07/2022 – 01/2025

Trusted Hub, Singapore – Provides digital repositories, B2B collaboration platforms, and AI-driven workflow automation to enhance information management and business efficiency.

Software Engineer

Projects Ownership.

- Optimized a .NET-based compiler for a custom scripting language, restructuring scripts to improve workflow speed by 70%.
- Led development of a business exchange platform, boosting performance and customer satisfaction by 50% through feature releases, monitoring, and disaster recovery enhancements.
- Integrated OTT WhatsApp messaging into the appointment booking system, expanding communication capabilities and reducing operational costs compared to traditional SMS-based communication.
- Redesigned the user interface of an existing ASP.NET web page, enhancing visual design and usability, which resulted in improved user experience and positive feedback.
- Introduced modern user interfaces in new projects of the company using Angular and Bootstrap, significantly improving aesthetics, usability, and overall user experience.
- Built an AI-driven application using LLaVA, embeddings, RAG workflows, REST APIs, and WebSockets, earning a 4.5/5 rating for innovation and usability.
- Engineered a .NET Core service to transfer documents to SharePoint and Salesforce with security, audit logging, and error handling, achieving on-time UAT and production launch.
- Developed an end-to-end system with authentication, authorization, cryptography, and scalable design using asynchronous processing, multithreading, and modular architecture.

Technologies Used: C#, .NET Framework, .NET Core, MS SQL, Angular, Typescript, Python.

MYANMAR INFORMATION TECHNOLOGY, Yangon, Myanmar • 10/2014 – 01/2020

Myanmar Information Technology (MIT), Yangon – A leading provider of digital innovation and enterprise solutions, partnering with global software leaders to drive business transformation, efficiency, and sustainable growth.

Team Lead

Product Development.

- Assisted with system integration and UAT, resolving issues and managing implementation to ensure smooth production deployment.
- Maintained the existing system and developed custom reports using Crystal Reports, supporting evolving business needs and ensuring accurate, timely data presentation for stakeholders.
- Engineered a lightweight, touch-friendly POS system for SMEs using WinForms and SqlClient, attracting 400+ customers nationwide and driving user engagement, revenue growth, and a promotion.
- Collaborated with cross-functional teams (Sales, Marketing, and Managers) in regular reviews, gathering feedback to improve the product and meet evolving market demands.
- Led development of mobile and web F&B systems, implementing cashier, waiter, and kitchen modules with REST APIs and WebSockets, streamlining operations and acquiring 30+ customers across 10+ devices each.
- Built a secure middle-layer repository for backend-frontend communication, coordinating distributed teams to ensure timely, goal-aligned delivery.
- Developed software integrating Android-based hardware, including printers, card readers, and kiosks, ensuring seamless functionality.
- Implemented API integrations for card payment processing and point redemption systems, enhancing transactional capabilities.

Technologies Used: C#, MS SQL, Java, Spring Framework, Angular JS, Angular, Ionic, Bootstrap, SourceSafe, SVN, SQ Lite, Typescript, Android SDK, jQuery, MVC, Crystal Report, Jasper Report.

ACADEMIC PROJECTS

Maharishi International University (2025)

- **Product Review Rating:** A responsive full-stack web application for browsing and submitting product reviews and ratings. Built with a Node.js, Express, and TypeScript backend using PostgreSQL, and a React, TypeScript, and Bootstrap frontend for an intuitive UI. Implemented server-side pagination for efficient large dataset handling and deployed the backend on Render and frontend on Vercel, following a modular architecture for maintainability and scalability.
- **Web-based Game Platform:** Developed a serverless web-based Snake game with ReactJS frontend and Node.js backend using AWS Lambda for scalable, cost-efficient deployment. Implemented secure user authentication with AWS Cognito, real-time leaderboard with DynamoDB, score submission via API Gateway and Lambda, and admin notifications through SNS. Infrastructure was automated with AWS CDK (TypeScript) and deployed using CI/CD pipelines, S3, and CloudFront for optimized content delivery.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 10/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: Web Application Programming, Cloud Computing, Algorithms, Enterprise Architecture

Bachelor (Hons) in Computer Science

University of Computer Studies, Dawei, Myanmar (10/2012)

Bachelor in Computer Science

University of Computer Studies, Dawei, Myanmar (10/2011)