**Alfred Paul**

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**PROFESSIONAL SUMMARY**

Software engineering leader with over 11 years of experience delivering enterprise applications, AI-integrated tools, and scalable backend systems across industrial automation and internal platform teams. Proven track record in building and deploying full-stack solutions using .NET, Python, React, and Azure. Strong background in applying AI tools such as GitHub Copilot, Cursor.ai, and RAG pipelines to reduce development time and improve code quality. Experienced in Agile delivery, DevOps workflows, and technical mentoring within distributed engineering teams.

**CORE COMPETENCIES**

Software Architecture • AI-Assisted Development • Backend Engineering • Full-Stack Development • Agile Coaching • CI/CD Automation • RAG Pipelines • Cloud Deployment (Azure) • DevOps Practices • Microservices Design • Code Review & Refactoring • API Development • Legacy System Modernization • Technical Mentoring • Chatbot Integration • Documentation Standards • VS Code Tooling • Test Automation

**PROFESSIONAL EXPERIENCE**

**Team Leader – Software Development & AI Initiatives**

LiSEC Automation Middle East FZ-LLC | Dubai, UAE | October 2021 – Present

* Directed the development and deployment of AI-driven software tools, including a proprietary chatbot built with Quin and Retrieval-Augmented Generation (RAG) pipelines, enabling internal teams to query extensive documentation with improved accuracy and speed.
* Introduced GitHub Copilot and Cursor.ai to the engineering workflow, resulting in a 40% improvement in code generation efficiency and a measurable reduction in testing cycles.
* Designed and implemented scalable backend systems using Python and .NET Core, integrated with React frontends, and deployed through CI/CD pipelines on Microsoft Azure.
* Conducted technical planning and architectural reviews in coordination with product owners and executive leadership, contributing to roadmap alignment, resource allocation, and system resilience across multiple business-critical applications.
* Managed a distributed team of 15 to 20 software engineers across frontend and backend development, with members based in Dubai and Austria

**Senior Software Developer – .NET & Agile Product Delivery**

LiSEC Automation Middle East FZ-LLC | Dubai, UAE | October 2020 – October 2021

* Built and deployed full-stack web applications using .NET Core and React, with emphasis on code readability, API performance, and scalability within the Azure cloud environment.
* Converted legacy monolithic applications into modular, service-oriented components, which led to a measurable reduction in deployment downtime and simplified ongoing maintenance.
* Established Agile delivery routines including sprint planning, retrospectives, and backlog refinement with the product owner, resulting in a 30% improvement in sprint goal completion.
* Integrated SQL Server data models and Azure-based storage solutions to support high-availability application architecture and ensure consistent data integrity across environments.

**Computer Programmer – Full-Stack Software Developer**

LiSEC Automation Middle East FZ-LLC | Dubai, UAE | September 2013 – October 2020

* Developed and maintained software for industrial automation systems using C# and .NET Framework, ensuring integration with machine-level hardware and real-time data processing requirements.
* Built internal development tools and reusable code libraries to reduce repetitive coding tasks, increase developer efficiency, and standardize implementations across projects.
* Migrated legacy components to Python, enabling unit testing coverage and positioning the codebase for integration with upcoming AI-driven features.
* Reviewed peer code for adherence to best practices, contributed to technical documentation libraries, and supported onboarding and upskilling of junior developers through structured mentoring sessions.

**AI & COPILOT-FOCUSED PROJECTS**

* **Chatbot with RAG + Quin**: Developed an internal chatbot using Retrieval-Augmented Generation pipelines with Quin, LangChain, and Python, enabling document-level semantic search and context-aware responses across large-scale technical manuals.
* **Accelerated Tooling with Copilot Integration**: Applied Copilot-style AI coding to generate frontend components from JSON schemas, automate documentation drafts, and conduct inline code suggestions, reducing prototype cycles.
* **Cursor.ai Workflow Adoption**: Integrated Cursor.ai with GitHub Copilot in VS Code environments, reducing feature development and refactoring time by 40% through AI-assisted stubbing, testing, and code reviews.

**EDUCATION**

**Bachelor of Engineering in Computer Science**

* RGPV Technical University | Bhopal, India | 2004 – 2008

**CERTIFICATIONS**

* Professional Scrum Master™ I
* Professional Scrum Developer™ I
* PCEP Python Programmer

**TECHNICAL SKILLS**

* Frontend: React, Redux Toolkit, TypeScript, JavaScript (ES6+), HTML5, Tailwind CSS, QML, Flutter
* Backend: C#, .NET Core, ASP.NET MVC, Node.js, Express.js, Python (LangChain, FastAPI), GraphQL
* Databases: PostgreSQL, SQL Server, MongoDB, Firebase
* AI/ML & Dev: LangChain, Quin, OpenAI API, RAG Pipelines, Hugging Face Transformers
* Cloud & DevOps: Azure, Docker, Kubernetes, GitHub Actions, CI/CD Pipelines
* Agile Methodologies: Scrum, Kanban, Sprint Planning, Team Coaching
* Tools & Platforms: Cursor.ai, Visual Studio Code, Postman, Jira, Git, GitHub Copilot