HESSAM BARASM MAMAGANI

Project Development Engineer | Full-Stack Developer | AI & Cloud Solutions

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SUCCESS HIGHLIGHTS

- Increased operational efficiency at Pilz by **80%**, reducing manual workload and streamlining processes.
- Reduced customer inquiry response time by **60%** with AI-powered automation.
- Enhanced AI-driven knowledge-sharing at InsightfulAI, increasing workflow automation by **85%**.
- Designed a **99.99%** uptime cloud infrastructure ensuring security and scalability.
- Delivered **640+** hours of hands-on coding training and mentored students into software careers.

PROFESSIONAL SUMMARY

Full-Stack Developer and AI Engineer with expertise in designing and deploying **scalable AI-powered web applications**. Proficient in **.NET 9, React, Azure, RESTful APIs**, and **cloud security**, optimizing workflows through automation. Passionate about **mentorship, AI integration, and digital transformation solutions**.

TOP SKILLS

- **Full-Stack Web Development** (.NET 9, ReactJS, Azure, RESTful APIs, Microservices)
- **AI & Automation** (OpenAI API, Realtime AI, SAP GUI Automation, Chatbots)
- **Cloud & Security** (Azure Web Apps, Key Vault, JWT Authentication, OAuth)
- **Software Architecture** (Microservices, Scalable & Secure Development)
- **Database Management** (SQL Server, Query Optimization, Cloud Databases)
- **Agile & DevOps** (CI/CD Pipelines, Azure DevOps, Automated Deployment)

PROFESSIONAL EXPERIENCE

Project Development Engineer, Pilz | Aug 2024 - Present

- Led AI-driven digital transformation at Pilz, increasing efficiency by **80%**.
- Developed **Pilz Services**, automating inquiries and reducing response time by **60%**.
- Integrated AI-powered solutions, enhancing technical knowledge-sharing by **70%**.
- Built and secured **RESTful APIs** with Azure Key Vault, ensuring **95% compliance**.
- Developed **AI-powered automation**, increasing workflow efficiency by **85%**.
- Integrated OpenAI, Google Maps, and automation, reducing manual execution by **65%**.
- Designed a **secure, scalable cloud-based infrastructure with 99.99% uptime**.

Instructor, Üçüncü Binyıl Akademi | 2023 - 2024

• Conducted **640+ hours of live coding sessions** on full-stack development.
• Trained students in **.NET, React, AI automation, and cloud integration**.
• Led students in developing a **full-stack e-commerce platform** as a capstone project.

Chairman & Project Manager, Urum Bakhtar Farhang Co. | 2022 - 2023

• Led company operations and strategic planning, overseeing engineering and digital transformation initiatives.
• Managed cross-functional teams, budgeting, and decision-making for large-scale infrastructure projects.
• Supervised technical teams, ensuring project efficiency, compliance, and innovation in workflows.

Bid Manager & Abroad Representative, Jaddeh Construction | 2017 - 2022

• Digitized contract proposals and negotiations, improving accuracy and reducing workload.
• Led **Process automation**, improving efficiency in project bidding and execution.

Senior Supervisor & Bid Manager, BLM Consulting Engineers | 2008-2022

• Managed construction project bidding and contract negotiations
• Led **cross-functional coordination** between engineers, clients, and external stakeholders.
• Managed the IT department and designed a **network-based workflow monitoring system**, enabling seamless user activity tracking and operational efficiency. Developed an **automated work procedure calculator and controller**, optimizing task execution and resource management.

EDUCATION

• **Master's in Structural Engineering** | Urmia Kamal University (2015 - 2018)
• **Bachelor's in Civil Engineering** | Islamic Azad University (2003 - 2008)
• **Windsor High School of Manchester, UK** (Middle School, Year 7 – 1996-1997)

CERTIFICATIONS

• MCSE (Microsoft Certified Systems Engineer)
• CCNA (Cisco Certified Network Associate)
• AI & Cloud Computing (Azure, OpenAI API)
• C# for .NET Developers (Coursera)
• IELTS General Training
• International Computer Drivers License (ICDL)
• HSE-MS Certification
• MSP® Certification

LANGUAGES

• Azerbaijani, Persian, (Native) | Turkish, English, (Fluent)