

Ali Yaghoubi

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Profile

Senior C++ Developer and Chief Technology Officer (CTO) with over 9 years of hands-on experience in software development using the Qt framework. Strong mechanical engineering foundation with a proven industrial process design and R&D leadership track record. Expert in project management (MSP, Primavera), CRM, and BPMS integration. Focused on leading cross-functional teams in delivering innovative R&D and automation projects. Combining deep technical expertise with strategic project management using MSP, Primavera P6, and BPMS. Open to leadership roles in project delivery, R&D management, and technical innovation.

Technical Skills

- Programming: C++, Qt, Arduino, VBA
- Software & Tools: Microsoft Excel, Word, Project, Primavera P6, AVEVA PDMS, AutoCAD
- Systems: Linux, Windows, CRM, BPMS
- Networking: Cisco (CCNA), System Administration
- Project Management: Microsoft Project, Primavera P6

Professional Experience

R&D Director

Boomiran | Tehran | Feb 2024 – Present

- Led R&D initiatives in industrial automation and software development.
- Designed automation lines for stretched canvas production, boosting productivity.
- Managed development of coordination and calculation tools.
- Developed custom CRM and BPMS solutions.
- Used MSP and Primavera P6 for project scheduling.

CTO / C++ Developer

Freelancer | Tehran | Dec 2021 – Present

- Oversaw technology strategy and innovative software development.
- Developed C++/Qt software for automation and robotics.
- Automated Nyloflex printing stencil line.
- Built 6-legged robot with voice control.
- Created financial market communication software.

IT Specialist

HATCO | Tehran | Aug 2022 – Feb 2024

- Configured Cisco switches and maintained network infrastructure.
- Managed office networking and CRM systems.
- Provided technical support and system administration.

Technical Director

Boomiran | Tehran | Nov 2017 – Apr 2023

- Built automation lines for canvas production.
- Optimized workflows and increased production capacity.
- Directed business development and technical planning.

Mechanical Engineer

HATCO | Tehran | Jun 2013 – Dec 2014

- Wrote technical proposals for compressor systems across industries.
- Designed piping, tanks, and compressor rooms.
- Planned projects with MSP and Primavera P6.

Education

Master of Engineering in Mechanical Engineering – Tehran University | 2024

Bachelor of Engineering in Mechanical Engineering – Islamic Azad University of Tehran West | 2016

Key Projects

- Designed and built a fully automated NyloFlex washing machine with BPMS integration for reporting and control.

Certifications

- LPIC-1 (Linux Professional Institute Certification)
- CCNA (Cisco Certified Network Associate)
- PMP (In Progress)
- PRINCE2 (In Progress)
- Scrum Master Certification (In Progress)
- Six Sigma (In Progress)

Languages

- Persian: Native
- English: Intermediate – Preparing for IELTS

Project Leadership Highlights

- Led end-to-end delivery of a fully automated NyloFlex washing machine with BPMS integration.
- Directed R&D projects using Microsoft Project and Primavera P6 across automation and software domains.
- Managed multi-disciplinary teams in cross-functional technical environments.
- Delivered production capacity increases through process innovation and automation design.