

# AMIN PARVA

## AI/ML Engineering Director & Technical Executive

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### PROFESSIONAL SUMMARY

Visionary AI/ML Engineering Director with 15+ years of executive leadership experience driving digital transformation through cutting-edge artificial intelligence solutions. Currently spearheading next-generation athlete performance analytics and predictive modeling initiatives at Athlete Management Technologies. **Specialized in transforming traditional agile development teams into AI agent-powered organizations**, implementing modern software methodologies that leverage AI agents for enhanced productivity, code quality, and innovation. Recognized expert in architecting enterprise-scale AI systems, leading high-performance technical teams, and delivering innovative ML solutions that drive business growth. **Unique combination of deep technical architecture expertise (ML and traditional software) with proven ability to modernize team structures and development processes.** Proven track record of building and scaling AI/ML capabilities across healthcare, sports technology, and enterprise software domains while mentoring technical leaders and driving strategic technology initiatives.

### TECHNICAL SKILLS

AI/ML Leadership & Strategy	AI Strategy Development, ML Architecture Design, AI Agent Orchestration, Enterprise AI Implementation, MLOps Leadership, AI Ethics & Governance, Predictive Analytics Strategy, AI Product Management, Machine Learning Operations, AI Team Leadership, Cursor AI Integration, Advanced Neural Networks, Deep Learning Frameworks, Agile-to-AI Transformation, AI-Powered Development Methodologies
Programming Languages	Python (SciPy, NumPy, Pandas, Matplotlib, Seaborn), C#, C++, Java, VB.NET, JavaScript, TypeScript, HTML5, CSS3, SASS, SQL
Frameworks & Technologies	.NET 9, ASP.NET MVC, Web Forms, React, Next.js, Angular.js, Backbone.js, Django, Flutter, Docker, API Development, SPA Architecture
Cloud & Databases	AWS (SageMaker, App Runner, EC2, S3), Azure, Cloud Computing, Oracle, SQL Server, MySQL, SQLite3, Snowflake, Intersystems Cache, MUMPS
Healthcare & Integration	HL7, Healthcare Systems, Clinical Analyzers, Middleware Integration, Sitecore CMS, DreamFactory API, JSON, RESTful APIs
Executive Leadership & Strategy	Technical Executive Leadership, Strategic Planning, Digital Transformation, Cross-functional Team Management, Technology Roadmap Development, Stakeholder Management, Executive Communication, Change Management, Innovation Leadership, Technical Mentoring, Agile/Scrum Master, Resource Optimization, Vendor Management, Team Structure Modernization, AI Agent Integration

### PROFESSIONAL EXPERIENCE

#### ***AI/ML Engineering Director & Technical Architect | Athlete Management Technologies | Feb 2025 - Present***

*Executive leadership of AI/ML initiatives driving next-generation sports technology innovation*

- Architected and executed enterprise AI strategy, establishing ML infrastructure serving 10,000+ athletes across professional sports organizations

- Led cross-functional AI team of 15+ engineers, data scientists, and sports scientists in developing cutting-edge predictive analytics platform
- **Transformed traditional agile development processes into AI agent-powered workflows**, implementing Cursor AI integration that revolutionized athlete performance analysis and reduced manual data processing by 90%
- **Pioneered AI agent-based software development methodologies**, establishing new standards for code generation, testing, and deployment that increased team productivity by 150%
- Established MLOps framework and governance policies, ensuring scalable and ethical AI deployment across enterprise systems
- Drove strategic partnerships with AWS and cloud providers, securing \$2M+ in technology investments for AI infrastructure
- Presented AI strategy and ROI metrics to C-suite executives, demonstrating 300% improvement in athlete performance prediction accuracy

### ***Senior Technical Director & Engineering Executive | Antech Diagnostics (Mars Inc.) | Oct 2015 - Nov 2024***

*Executive leadership of enterprise healthcare technology transformation and digital innovation initiatives*

- Orchestrated digital transformation strategy, leading 15+ enterprise-scale projects serving 5,000+ healthcare clients and generating \$50M+ in revenue impact
- Evolved from Senior Software Engineer to Senior Technical Director, establishing technical excellence standards and innovation frameworks across global engineering teams
- Led organizational change management initiatives during Mars acquisition, successfully integrating 200+ technical professionals and maintaining 99.9% system uptime
- Established Center of Excellence for AI/ML adoption in healthcare, mentoring 25+ technical leaders and implementing data-driven decision making culture
- Drove strategic technology partnerships and vendor management, reducing operational costs by 30% while improving system performance by 200%
- Presented technology roadmaps and innovation strategies to C-suite executives, securing \$15M+ in technology investment approvals

### ***Technical Director & Engineering Manager | Technijian | Jan 2015 - Oct 2015***

*Executive leadership of enterprise software architecture and global development team management*

- Led strategic technology initiatives, successfully delivering 2 enterprise-scale projects worth \$5M+ in client value and establishing market leadership position
- Architected next-generation n-tier software platform for clientportal.technijian.com, serving 10,000+ enterprise users and improving operational efficiency by 150%
- Established comprehensive security and compliance framework, achieving SOC 2 certification and reducing security incidents by 100%
- Built and managed global development teams across India and US, implementing agile methodologies and establishing technical excellence standards
- Drove digital marketing transformation through SEO optimization, increasing web traffic by 300% and generating \$2M+ in new business opportunities
- Presented technology strategy to board of directors, securing approval for \$3M+ technology investment and expansion initiatives

### ***Director & Co-Founder | ParvaGroup | July 2008 - Nov 2014***

*Founding leadership of technology startup, driving innovation and market expansion*

- Co-founded and scaled technology startup from concept to market leader, growing team from 2 to 12 professionals and achieving \$2M+ in annual revenue
- Led strategic market expansion, delivering 75+ enterprise web applications and establishing market dominance in regional technology sector
- Established comprehensive project management and quality assurance frameworks, achieving 100% client satisfaction and 98% on-time delivery rate

- Drove strategic partnerships and business development initiatives, securing long-term contracts with 25+ enterprise clients and generating \$5M+ in total contract value
- Built high-performance technical teams and established company culture focused on innovation, excellence, and client success
- Presented business strategy and growth plans to investors and stakeholders, securing \$500K+ in funding and strategic partnerships

## SPECIALIZED EXPERTISE

### *Agile-to-AI Team Transformation*

**Expert in modernizing traditional agile development teams into AI agent-powered organizations.**

Specialized in implementing cutting-edge software methodologies that integrate AI agents (like Cursor AI) into development workflows, resulting in:

- **150% increase in team productivity** through AI-assisted code generation and testing
- **90% reduction in manual data processing** via intelligent automation
- **Enhanced code quality and consistency** through AI-powered code review and optimization
- **Faster time-to-market** with AI-accelerated development cycles
- **Modern software architecture** designed for both traditional and ML/AI applications

**Technical Leadership:** Deep expertise in software architecture and design across both traditional enterprise systems and cutting-edge ML/AI platforms. Proven ability to bridge the gap between legacy systems and modern AI-powered development environments while maintaining technical excellence and team productivity.

## CERTIFICATIONS

- Scrum Master | LinkedIn Learning | 2024
- Leadership Fundamentals | LinkedIn Learning | 2024
- Management in Organization | LinkedIn Learning | 2024
- Advanced C# | LinkedIn Learning | 2024

## AWARDS

- **Antech Tax Benefits Reward** for High Performance Employees | 2024

## EDUCATION

**Bachelor of Science in Electrical Engineering**

Azad University, Bushehr, Iran | 2003 - 2008

## ADDITIONAL INFORMATION

- Languages: English (Fluent), Persian (Native)
- Work Authorization: US Citizen
- Availability: Open to relocation and remote work
- Industry Experience: Healthcare Technology, Sports Analytics, Enterprise Software, AI/ML