Kamran Abdi

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Personal statement

With over 18 years of experience as a Software Engineer, I have consistently demonstrated a strong capability in developing and implementing software solutions that address complex problems efficiently. My extensive background in both back-end and front-end development has enabled me to deliver robust, scalable, and innovative solutions across various industries. My tenure includes significant roles where I have led projects, optimized systems, and mentored teams, showcasing my proficiency in problem-solving and leadership.

I have a profound passion for health tech innovation, as evidenced by my recent role with the World Health Organization (WHO). Here, I contributed to critical projects that improved data management and reporting systems, directly impacting global health initiatives. This experience has deepened my commitment to leveraging technology for meaningful, positive change in the health sector.

I am adept at collaborating with cross-functional teams to drive projects from conception through deployment, always striving to incorporate industry best practices and cutting-edge methodologies. I am eager to continue my journey in software engineering, seeking new challenges that will allow me to apply my skills to make a global impact.

Key Skills

- **Programming Languages**: C#, Python
- **Front-end Development**: HTML, CSS, JavaScript, jQuery, Ajax, Angular
- **Database**: MS SQL Server
- **Database Development Languages**: SQL
- **Software Development:** Design Patterns, Agile, Scrum, Git, CICD, GitLab, ArgoCD, Kubernetes
- **Technologies and Frameworks**: .Net Framework, .Net Core, .Net 7,8,9 ASP.Net, MVC, Web API, WCF, ADO.Net, AJAX, Angular SSIS, SSRS
- **Architectures**: Monolithic, Service-Oriented, Microservices, Onion, Clean, DDD, TDD
- **Message Broker**: RabbitMQ, Redis
- **ORM**: Dapper, Entity Framework
- **BI:** PowerBI, QlikView
- **AI:** Machine Learning & Data Minig Algorithms, NLP

Employment History

Co-Founder and CTO, Tele Pain Solutions (Remote), Vancouver, Canada

Tele Pain Solutions is poised to revolutionize pain management by introducing a specialized telehealth platform that directly addresses this pervasive issue. The startup's core idea is to provide patients with the means to connect with pain management specialists in real-time, offering tailored consultations, comprehensive treatment plans, and expert recommendations. With the incorporation of an AI-powered symptom checker, Tele Pain Solutions empowers patients to receive guidance even before they engage with healthcare providers. The platform

goes a step further, offering a wealth of educational content, from video tutorials to best practices, to equip individuals in managing various forms of pain.

Senior .Net Developer, Filmnet, Tehran-Iran
(August 2023 – Current)

FILMNET.ir is a leading Video on Demand (VOD) platform in Iran, similar to Netflix, offering a wide range of movies, TV shows, and exclusive content to a large audience.

Achievements and responsibilities:

- Collaborating with cross-functional teams to design and implement software solutions.
- Spearheaded the optimization and refinement of the microservices architecture for Subscription and Payment services, resulting in a more scalable, resilient, and cost-effective system.
- Mentoring junior developers and assisting in their professional growth.
- Keeping abreast of industry trends and incorporating best practices into development processes.

Technologies : C#, Web API, SQL Server, Redis, ETL, T-SQL, RabbitMQ, Git, GitLab, CI/CD

Software Developer Consultant, World Health Organization (WHO), Brazzaville-Congo
(September 2022 – April 2023)

Achievements and responsibilities:

- **Vaccination Data Collection Portal:** Add new Pages and corresponding data structures
- **Collaborating in writing Information management Concept notes**
- **Documentation for Existing Portals**: Country Profile on COVID-19 Vaccination, Echo Grant Portal, Country Profile on COVID-19 Vaccination, Country's Post Intra Evaluation (cPIE)
- **Installed and configured the Document Management System (OpenKM)** on Google Cloud Platform, preparing it for use within the UCL Cluster.
- **Developed DHIS2 NOMA Platform**:
    - Creating and managing VM on Microsoft Azure
    - Prepare Installation & configuration documents.
    - Installing DHIS2 on the server
    - Configuring DHIS2
    - Implementing Quarterly NOMA indicators Progress Report
- **NCD/EHC Reporting Dashboard**

Technologies: C#, Web API, SQL Server, MySQL, WordPress, PowerBI, Git

Senior .Net Developer, Arzesh Pardaz Aryan (AAICCO), Tehran-Iran
(March 2021 – August 2022)

Achievements and responsibilities:

- **Algorithmic Trading Platform for Market Makers**: Analyse system requirements and prioritize tasks, develop, technical specifications, and test and debug the application, reducing costs by 50%
- **Portfolio Management System (PMS):** I am the lead developer in this project. It helps Investment Companies to focus on their core business - investment management - and reduces their IT maintenance costs. This PMS solution offers a comprehensive set of functionalities for asset managers to support their investment management process.

- **Order Management System (OMS):** Refactor, improve, test, and debug the Application
- **Financial Data Provider Website**: Providing Tehran Stock Exchange Market Data (http://iqtrader.ir)

Technologies: C#, Docker, Python, WebAPI, .Net Core, .Net 6, WCF, gRPC, Microservices, Dapper, Redis, RabbitMQ, ASP.Net, react, AngularJs, SQL Server, Git, Microsoft Azure DevOps

Job Leave for master's degree Study (2019 – 2022), Zanjan-Iran
- Pursued a Master of "Computer Engineering, AI & Robotics" at the Institute for Advanced Studies in Basic Sciences, Zanjan, Iran
- Focused on academic growth and development in Computer Sciences and Artificial Intelligence

Senior .Net Developer, Noavaran Amin Data Processing Co, Tehran-Iran
(Jan 2013 – Apr 2019)

Achievements and responsibilities:
- **Creating Tools & Applications for Data:** The dataset includes a list of all the stocks contained therein and associated key financials such as price, market capitalization, earnings, price/earnings ratio, price to book, etc. https://market.nadpco.com/?lang=en
- **Corporate Governance Risk:** Collaboration with an Italian company (https://www.prometeia.com/en/home) in the corporate governance risk assessment project
- **Data API Service**: Providing high-quality data as API services to the customers.

Technologies: C#, .Net Framework, Entity Framework, ADO.Net, ASP.Net MVC, AngularJs, HTML, CSS, KnockoutJs, Stimulsoft Reports, MS Reporting Services, SQL Server, MongoDB, NCache

Mid-Level .Net Developer, Noavaran Amin Data Processing Co, Tehran-Iran
(Aug 2007 – Jan 2013)

Achievements and responsibilities:
- **Social Network for Iranian Capital Market's Investors**: Analyze system requirements and prioritize tasks, develop technical specifications, test and debug the application
- **Financial Statements Data Entry & Reporting System**: Requirement analysis, interface design, implementation, and integration with other modules
- **Financial Ratio Calculator:** Design & implementing an application to calculate Financial Ratios such as Price to Book Value, Current Ratio, etc

Technologies: C#, .Net Framework, Entity Framework, ADO.Net, ASP.Net, HTML, CSS, KnockoutJs, SQL Server, NCache, Obout Components

Education

Institute for Advanced Studies in Basic Sciences
Master of Computer Sciences (AI). GPA: 4.5/5
(Sep 2019 – May 2022)
Islamic Azad University - Tehran Central
BSc. of Software Engineering
(Sep 2003 – June 2007)

Hobbies & Interests

- Basketball, Camping

- Watching Movies
- Reading Books
- Traveling

References

- **Dr. Mohsen Hooshmand** (Mohsen.hooshmand@iasbs.ac.ir)
  Assistant Professor in the Department of Computer Science and Information Technology at The Institute for Advanced Studies in Basic Sciences (IASBS)
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