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PROFESSIONAL SUMMARY

Highly skilled **software development** professional bringing more than **8 years** in software design, development and integration. Advanced knowledge of **Java**.

SKILLS

- *Advanced Knowledge of **Java**, Experience with Python and C#*
- **Front end:** JSF (PrimeFaces and RichFaces), JSP, JavaScript, HTML, CSS, User Experience Testing
- **Back end:** Advanced Knowledge of JavaEE, Experience with Nodes.js and Express
- **Java Core Technologies and APIs:** JavaSE, JavaEE, JPA, JTA, JMS, Servlet, Swing, Java Media Framework
- **Mobile development:** Android
- **Web Service:** REST (JAX-RS, Jersey), SOAP (JAX-WS, SOAP, WSDL, Apache Axis2), Spring WS
- **Database:** SQL, Oracle, MySQL, Firebase, Redis
- **Project Management:** Jira, Bitbucket, TFS
- **Spring:** Spring Core, Spring MVC, Spring Boot, Spring Security, Spring Data
- **Test:** Defect & Bug Discovery, Junit, Combinatorial test, Mutation testing (PIT)
- **Analyzing, Monitoring:** SonarQube, SoapUI, JProfiler, Apache JMeter
- **Containers:** Apache tomcat, JBoss EAP, Oracle WebLogic
- **Cloud:** Google Cloud Functions, Heroku Platform, Redis Cloud
- Strong knowledge in Data Structures and Algorithm
- Demonstrated significant experience in all aspects of the software development life cycle
- Exceptional skills in Agile Development
- Profound knowledge of security and hands-on secure coding experience

WORK EXPERIENCE

Aug 2017 to Current

Full Stack Developer and Research Assistant at George Mason University – Fairfax, VA

- Research and design on the structure of Enterprise Applications to reduce total cost of SDLC.
- Research and design on the crowdsourcing and microtask developing in software engineering.
- Developing development kit for crowd workers.
- Drafted comprehensive reports to document bugs and design flaws.
- Identified and suggested new technologies and tools for enhancing product value and increasing team productivity.

Dec 2015 – Jul 2017

Senior Software Engineer at ISC (Informatics Services Corporation, <https://en.isc.co.ir/>)

- Tuned a project. Currently, the project has more than 3,000,000 active end users.
- Lead development team (5 developers).
- Built, tested and deployed scalable, highly available and modular software products.
- Wrote on Ubuntu using Java.
- Collaborated with product management to design, build and test systems.

- Directed software design and development while remaining focused on client needs.

Apr 2013 –Nov 2015

Software Engineer Team Lead at CityDI (<http://www.citydi.com/en-us>)

- Developed Java application which manipulates multimedia data like voice and video.
- Designed and developed an application that provides a video conferences with additional features to serve customers remotely such as face detection, fingerprint, sending files.
- Developed a component to work with a third-party SDK for rendering video stream.
- Modified existing software to correct errors, upgrade interfaces and improve performance.
- Worked closely with other team members to plan, design and develop robust solutions in a timely manner.

September 2010 - March 2012

Full Stack Developer at Saamaneh Negar Paytakht

- Modified existing software to correct errors, upgrade interfaces and improve performance.
- Wrote maintainable and extensible code in a team environment.
- Prepared detailed reports concerning project specifications and activities

EDUCATION

- Graduate student in computer science at Computer Science Department, George Mason University
- *most important courses passed:* Programming, Multimedia systems, Advance Data Base, Advance Programing, Algorithms, Artificial Intelligence, Computer Architecture, Data Mining, Data structure and algorithms, Software Project Management, Software Specification and Construction, Software engineering, Software testing, Software Modeling and Architectural Design.

PUBLICATIONS AND CERTIFICATION

- Majumder, Sumit, Emad Aghayi, Moein Noferesti, Hamidreza Memarzadeh-Tehran, Tapas Mondal, Zhibo Pang, and M. Deen. "Smart homes for elderly healthcare—Recent advances and research challenges." *Sensors* 17, no. 11 (2017): 2496.
- Aghayi, Emad, Mohammad Khansari, and Hamidreza Memarzadeh-Tehran. "A new back-off mechanism for the S-MAC protocol with applications in healthcare." In *Telecommunications (IST), 2014 7th International Symposium on*, pp. 569-573. IEEE, 2014.
- Hoseini, Mohamad, Fatemeh Saghafi, and Emad Aghayi. "A multidimensional model of knowledge sharing behavior in mobile social networks." *Kybernetes* (2018).
- Advanced programing in Java, in-person training, Iran 2010.
- LPI Linux Certification, LPIC-1, 2011 - InfoTech Co Tehran- Iran.
- IBM Certified Solution Designer - Object Oriented Analysis and Design UML 2, 2011 -InfoTech Co Tehran- Iran.