

Sam Alsmadi

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TECHNICAL SKILLS

- Proficient: JavaScript, React, Redux, Node.js, Express.js, HTML, Git.
- Knowledgeable: Java, Maven, Oracle PL/SQL, CSS, PostgreSQL, JIRA/Agile methodologies, Ericsson OSS Inventory Management.
- Familiar: JUnit/Jasmine, Linux/Unix.

WORK EXPERIENCE

Founder/Software Engineer, [BioRhythm Technologies, LLC](#)

Parsippany, NJ June 2019-Present

As a fullstack developer, I worked on building Artificial Intelligence powered web applications and chatbots. Main technologies utilized include Google Dialogflow, TensorFlow, React, Node/Express, MongoDB and Firebase.

- I worked on a medical AI powered chatbot called [Doctor Siraj](#), and that has been trained on thousands medical questions and answers from several sites like WebMD. The chatbot had integrations with state-of-the-art AI based medical image processing algorithms that can be used to detect suspicious lesions.

Sr Software Developer, AgreeYa Solutions

Basking Ridge, NJ August 2018-June 2019

*As a backend developer, I worked on implementation of Chatbot platform for **Verizon wireless** as part of the digital transformation efforts aimed to deliver a simpler, reliable and personalized experience to customers. Main technologies utilized include Java Spring and Oracle SQL.*

- As part of the Enhanced Customer Engagement initiative, which is a project responsible for deflecting IVR traffic to the Chatbot platform, I participated in migrating the old Google DialogFlow dynamic chat conversations and decision trees to the new in-house Conversation Flow Designer and Management Portal.
- Worked on developing the system actions used by the Chatbot platform and underlying AI NLP libraries for Verizon Mobile, Web and Social Media digital channels. Some of the main initiatives I was involved in include adding Chatbot support for [device trade-in program](#), [international travel](#)/dialing, etc.

Sr Programmer Analyst, Logic Planet Inc.

Princeton, NJ Sept 2011-August 2017

*As a business analyst, I provided professional services support mainly for **T-Mobile USA**. Main technologies utilized include Java, Oracle, and Jira.*

- I ensured the successful design, deployment, testing and post production support for a web-based application called SLIPED by using the Agile/SCRUM methodology.
- Used a Java based bulk load tool for data entry as part of the data migration efforts going on the national level.
- Ensured that the migration efforts will not impact any of the existing Java interfaces that were built around the legacy inventory system.
- To track the data cleansing efforts, I designed and updated some of the Oracle backend reports called by the front-end.

Sr Developer, Cane Systems LLC

Dix Hills, NY Sept 2008-August 2011

Worked with several Telecom clients providing software consulting services focused on their implementation and integration of the Inventory management application from Ericsson. Clients supported include Telcordia Technologies (now part of Ericsson), Nakina Systems, Aricent, Cbeyond, T-Mobile USA, Level3, Telekom Slovenije, and Cingular Wireless. Some of the development skills utilized include Java, Oracle PL/SQL, XML, and HTML.

- Implemented various Oracle based reports that were used to check the sanity of the network data migrated from various resources, such as Visio diagrams and flat files, into the Ericsson inventory database of record. Those automated reports were used to track the manual remediation progress going on throughout the nation.
- Developed various Java programs that were used to migrate, reconcile and synchronize the continuously changing data, contained in legacy systems and flat files, with the data contained in Ericsson inventory database of record.

Software Engineer, Genex Technologies Inc.

Newark, Delaware Jan 2006-August 2008

Developed and implemented various customized solutions and supported clients in setting up, configuring and using various OSS systems from Ericsson. Clients supported include Cingular wireless/SBC (now AT&T), T-Mobile USA, and Telcordia (now part of Ericsson). Technologies utilized include Java, JSP, J2EE, JDBC, HTML, and Oracle.

- Data Migration and Data Entry. System installation, implementation and administration.
- Worked on developing training materials for some of Ericsson's Java based products. I also conducted remote corporate training sessions for end users.
- Participated in developing a Java program for providing an interface to client's existing work order entry systems to capture the order numbers and other billing information and update those into the Ericsson inventory system in real-time.
- Developed Oracle based migration reports by comparing the OSS network inventory data found in legacy systems with the data migrated over to new inventory systems. I also participated in designing the functional and technical documentation for the standards, development and deployment of the created Oracle packages and stored procedures.

EDUCATION

- Machine Learning Certificate, 2020 (*Cornell University, NY*)
- Software Engineering Immersive, 2018 (*Fullstack Academy of Code, NY*)
- Master's Degree in Biomedical Engineering (*Bogazici University, Istanbul*)
- Bachelor's degree in Electronics & Telecommunication Engineering (*Istanbul Technical University, Istanbul*)