

Ali Sarkeshik

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San Diego, CA

[GitHub](#)

[Portfolio](#)

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[Publications](#)

Summary

Solutions-driven Full Stack Developer/Software Engineer who uses ingenuity and creativity to build fluid and functional web applications. My previous experience includes method development in Chemistry and Instrumentation (hardware and software troubleshooting) in a resale and OEM environment.

Technical Skills: JavaScript, jQuery, HTML, CSS, Node.js, React.js, Express.js, Database Theory, MySQL, MongoDB, Bootstrap, AJAX, Git (Issue Tracking, Revision Control, Code-Review), RESTful API's, JSON, Heroku, Debugging

Looking to learn: Java, Ruby on Rails, Ranorex, Selenium, Python, C#, C++, Jenkins, Kubernetes, .NET, Angular, Vue.js, Test Automation, Agile/Scrum Methodologies.

Experience

UC San Diego Extension

Full Stack Developer

February 2019 – August 2019

- **NBA Clicky Game (React.js):** The user has 20 player cards to choose from. Clicking on a card adds 1 point to their total score. If the same card is clicked twice the game ends.
- **JavaScript Trivia Game:** The user has 3 minutes to answer all the questions. At the end their score is computed and printed to the screen.

Group Projects

- **Pub Crawl:** Our group project will help you match with a brewery that you probably have never heard of, but you will definitely love. Technologies Used: Bootstrap, Express, JS/JQuery, Heroku, Node, and Handlebars.
- **TripTab:** TripTab is an application that helps users track shared travel expenses. Users can keep track of money they owe others and others owe them. TripTab is designed for use on mobile phones to make logging expenses easy on-the-go.

PerkinElmer, Inc.

Customer Support Engineer

June 2018 - December 2018

San Diego, CA

- Provided on-site personalized support services for PerkinElmer medical devices (Automated Liquid Handlers).
- Provided troubleshooting expertise and repair skills needed to help identify and resolve issues related to hardware, software (ensuring computer to instrument communication), customer or applications support.
- Performed PMs, installs, and repairs on various Perkin Elmer medical devices (Janus, LabChip, SciClone, Zephyr, and EuroImmune products).

Roche Diagnostics

Planned Activities Specialist/Field Service Engineer

January 2018 - May 2018

San Diego, CA (Contract position via Tailored Management)

- Performed on-site preventative maintenance, installation, and technical updates (TSB's) on company products (Cobas 6000 and 8000 analyzers).
- Diagnosed mechanical, hardware, software and system failures.

- Trained in: CD Foundations of Hardware, IT Products, c6000/8000 Service Operator Training, and Cobas 6000 Install/Core Service.

BioSurplus, Inc.
Service Engineer
January 2017 - July 2017
San Diego, CA

- Determined the re-sale viability of company acquisitions.
- Diagnosed, repaired, and serviced a wide range of laboratory equipment.
- Systems included but were not limited to: Flow Cytometry, Centrifuges, Refrigeration Systems, Automated Liquid Handlers, and HPLC.

Versum Materials (Formerly known as Air Products and Chemicals, Inc.)
Analytical Chemist
November 2013 - January 2017
Carlsbad, CA (Contract Position via The Fountain Group: Nov 2013 – May 2015)

- Worked closely with a team of researchers to support method development for new semi-conductor products.
- Performed hands on installation (hardware/software), calibrations, troubleshooting, and maintenance on GC instruments (Agilent 5973/6850/6890/Thermo Trace 1310).
- GC-TCD/GC-FID, GC-MS, DIP-MS analysis of organo silanes and GC-PHID analysis of Octane
- Successfully assisted in transitioning R&D products to commercial status (ISO: 9001:2008, 17025, 10012)

The Scripps Research Institute
Research Technician
July 2006 - July 2011
La Jolla, CA

- Performed hands-on installation (hardware/software), calibration, troubleshooting, and preventative maintenance on LC/LC-MS (LTQ and LTQ Orbitrap) and HPLC instruments (Agilent 1100)
- Successfully co-authored over 25 publications with foreign and domestic collaborators
- Protein characterization and data analysis by Mass Spectrometry (MS) of over 1000 protein complexes
- Technical editing and writing experience: successful construction and implementation of new YRC SOPs, co-authoring scientific publications, creation and maintenance of YRC protocol and instrumentation webpage.
- Database maintenance, creation, and modification for YRC Public Data Repository
- Successfully improved YRC data processing system (Data submission, database parsing, etc)

Additional Experience:

BP (British Petroleum): March 2013 - October 2013
 Research Associate

Ionis Pharmaceuticals (Formerly ISIS Pharmaceuticals): October 2012 - November 2012
 Research Associate/Scientist - Oligo Synthesis

Education

UCSD - Certificate, Full Stack Web Development
 UC Riverside - Bachelor of Science, Chemistry