

# ARSALAN SADRI

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GitHub: <https://github.com/Arsalan-Sadri> | Portfolio: <https://Arsalan-Sadri.github.io/>

SUMMARY	Detail-oriented software engineer with a wide range of technical skills and experience in offering creative IT solutions for real-world problems. Versed in leveraging cutting-edge technologies to design, implement, deploy, and maintain modern, scalable web applications. Humble spirit, inquisitive overachiever, strong problem-solving skills, and sharp emotional intelligence.	
EDUCATION	<b>Master of Science in Advanced Computer Science and IT Management (Degree)</b> 2009 <i>University of Manchester, Manchester, United Kingdom (ranked 27<sup>th</sup> in the world)</i> <b>Thesis:</b> Design Patterns Using Component-based Software Development <ul style="list-style-type: none"> <li>Select courses: Building Web Applications, Research Skills and Prof Issue, IT Trends, Computer Security, Mobile Computing, IS Strategy &amp; Enterprise, The Semantic Web</li> </ul>	
	<b>Bachelor of Engineering in Computer Engineering- Software (Degree)</b> 2007 <i>University of Science and Culture, Tehran, Iran</i> <b>Thesis:</b> Design and Development of Optical Character Recognition Software <ul style="list-style-type: none"> <li>Select courses: Advanced Programming, Data Structures, Software Engineering, Machine Language and Assembly, Artificial Intelligence, Computer Networks, Principles of Database Design, Internet Engineering</li> </ul>	
CERTIFICATES	<b>AWS Certified Developer – Associate (Certificate)</b> 2019 <ul style="list-style-type: none"> <li>Demonstrate an understanding of core AWS services, uses, and basic AWS architecture best practices</li> <li>Demonstrate proficiency in developing, deploying, and debugging cloud-based applications using AWS</li> </ul>	
	<b>Full Stack Web Developer (Certificate) (Transcripts)</b> 2018 <i>UCI Division of Continuing Education, Irvine, CA, United States</i> <ul style="list-style-type: none"> <li>A12-week full-time classroom <b>boot camp</b> focused on gaining technical skills in Git, <b>HTML5</b>, <b>CSS3</b>, <b>JavaScript</b>, <b>jQuery</b>, Responsive Web Design (RWD), Bootstrap, Firebase, Handlebars.js, <b>MySQL</b>, Sequelize ORM, <b>MongoDB</b>, Express.js, <b>React.js</b>, <b>Node.js</b>, MERN, RESTful Web Services, AJAX, API, JSON, GitHub, Model–View–Controller (MVC), Webpack, and Heroku</li> <li>17+ assignments, 2 major group projects, and 1 major individual project</li> </ul>	
TECHNICAL SKILLS	<b>Web Design</b> <b>Front-end</b> <b>Back-end</b> <b>Databases</b> <b>Programming Languages</b> <b>Containerization Tools</b> <b>Module Bundlers</b> <b>Deployment</b> <b>Cloud</b> <b>Shell Scripting</b> <b>Version Control</b>	HTML5, CSS3, Saas, Bootstrap4, Materialize, RWD Vanilla JS, jQuery, React.js, Material-UI, AJAX, JSON, Axios Node.js (Express.js), Handlebars.js MongoDB, MySQL Python3, JavaScript ES6 Docker Webpack Heroku Amazon Web Services (AWS) Bash Git

RECENT  
PROJECTS**A Facebook-like Social Media Web App** [GitHub Repo](#) | [Live Demo](#)*A minimalistic React-based Node.js social media web app*

- Polished and responsive UI design on all pages across all platforms and screen sizes
- Sign-up form including profile picture, username, and password with validation on all the inputs
- Sign-in (user authentication) using the same credentials with alert in case of wrong credentials
- Users may modify their profiles, create or modify events, and upload pictures
- Technologies: React.js, Bootstrap 4, JSON Web Token (JWT), bcrypt, MongoDB, Node.js, Multer, Axios, Google Map API, and RESTful APIs

**Bit-error Concealment for VoIP and VoWLAN***Reusing packets damaged through wireless transmission*

- When the decoder fails to correct all the bit-errors that occurs through transmission, the application reconstructs damaged packets by means of DSSS Coding with Bit Errors and CRC
- The project consists of 6 steps namely, 1- Receive ASCII text message, 2- Receive ASCII text string with CRC subject to bit-errors, 3- Receive ASCII text string with more bit-errors and CRC, 3-IEEE 802.11 DSSS Coding with Bit Errors and CRC, 4- Convolution coding and decoding, and 5- Speech transmission, and 6- packet-loss concealment. (Socket Programming)

**EL+ Reasoner***Normalizing an OWL ontology such that it contains only sub-sumption axioms*

- Designing and developing an EL+ reasoner using the OWL API, description Logic, and Protégé
- The reasoner takes in an OWL ontology and returns a normalized OWL ontology such that it contains only sub-sumption axioms and all atomic sub-sumptions entailed by the input

WORK  
EXPERIENCE**Remote Software Engineering Mentor**

2020 - present

*Thinkful*

- Meeting with students 1-on-1 in online video sessions to provide technical and professional support as the student progresses through the curriculum.
- Hosting open Q&A an-hour-long group sessions. I work directly with groups of students, teaching them web dev that support their journey to become professionals.

**Teaching Assistant**

2019 - present

*Trilogy Education, Irvine, CA, USA*

- Teaching web development technologies 30 hours per week to 12-week classes of 24 students at the University of California, Irvine.
- Guiding students on their problem-solving thought processes, supporting them in their projects, providing feedback on their assignments

**Project Manager**

2015 - 18

*Sadra Trade and Services, Tehran, Iran*

- Directly in charge of coordinating operations from follow-up on the departure of cargo, managing customer service correspondence, endorsing the daily status reports, and resolving critical issues impacting core business activities
- Worked with CEO to develop an efficient workflow and employed a new business strategy resulting in a 10% increase in profits

**Full Stack Web Developer**

2012 - 15

*Gostareh System, Tehran, Iran*

- Back-end developer creating dynamically generated web pages via JSP, accounting for 70% of the company's server-side code
- Contributed to the front-end code by redesigning HTML forms