

# ARSALAN SADRI

Irvine, CA 92612 | <https://Arsalan-Sadri.com>

## 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.

## PROFESSIONAL EXPERIENCE

### Software Engineer

12/2020 - present

*The Walt Disney Studios* | Burbank, CA, USA

- -- just started, will be updated soon –
- -- just started, will be updated soon –
- -- just started, will be updated soon –

### Software Engineering Technical Expert

1/2020 - present

*Thinkful, Inc., A Chegg, Inc. Service* | Remote

- Meeting with students 1-on-1 in online video sessions to teach them web development and administer mock interviews as they finish checkpoints
- Hosting an-hour-long Q&A sessions, working directly with groups of students, teaching them web dev that support their journey to become professionals

### Teaching Assistant

11/2019 - present

*Trilogy Education Services, A 2U, Inc. Brand* | Irvine, CA, USA

- Teaching web development to cohort-based on-campus classes of 20+ students 15 hours per week at the University of California, Irvine
- Providing further support by hosting office hours before and after each session

### Project Manager

2015 - 18

*Sadra Trade and Services* | Tehran, Iran

- In charge of coordinating operations from follow-up on the departure of the cargo, managing customer service relationship, endorsing the daily reports

### Full Stack Web Developer

2012 - 15

*Gostareh System* | Tehran, Iran

- JSP developer, accounting for 70% of the company's server-side code
- Contributed to the UI enhancement by redesigning HTML forms and navbars

## EDUCATION

### Master of Science in Advanced Computer Science and IT Management (Degree)

9/2009

*University of Manchester, Manchester, United Kingdom* (ranked 27<sup>th</sup> in the world)

**Thesis:** Design Patterns Using Component-based Software Development

- Select courses: Building Web Applications, Research Skills and Prof Issue, IT Trends, Computer Security, Mobile Computing, IS Strategy & Enterprise, The Semantic Web

### Bachelor of Engineering in Computer Engineering- Software (Degree)

9/2007

*University of Science and Culture, Tehran, Iran*

**Thesis:** Design and Development of Optical Character Recognition Software

- Select courses: Advanced Programming, Data Structures, Software Engineering, Machine Language and Assembly, Artificial Intelligence, Computer Networks, Principles of Database Design, Internet Engineering

## CERTIFICATES

**AWS Certified Developer – Associate** ([Certificate](#))

6/2019

- Demonstrate proficiency in developing, deploying, and debugging cloud-based applications using AWS

**Full Stack Web Developer** ([Certificate](#)) ([Transcripts](#))

11/2018

*UCI Division of Continuing Education, Irvine, CA, United States*

- A12-week full-time classroom [boot camp](#) focused on gaining technical skills in Git, [HTML5](#), [CSS3](#), [JavaScript](#), [jQuery](#), Responsive Web Design (RWD), Bootstrap, Firebase, Handlebars.js, [MySQL](#), Sequelize ORM, [MongoDB](#), Express.js, [React.js](#), [Node.js](#), MERN, RESTful Web Services, AJAX, API, JSON, GitHub, Model–View–Controller (MVC), Webpack, and Heroku
- 17+ assignments, 2 major group projects, and 1 major individual project

TECHNICAL  
SKILLS

<b>Front-end</b>	HTML5, CSS3, Saas, Bootstrap5, Material-UI, Vanilla JS, jQuery, React.js
<b>Back-end</b>	Node.js (Express.js, Koa.js), Handlebars.js
<b>Databases</b>	MongoDB, MySQL, PostgreSQL
<b>Languages</b>	Python3, JavaScript ES9
<b>Unite Testing</b>	Mocha, Chai, Supertest, Jest
<b>CI/CD DevOps Tools</b>	Docker, Jenkins, GitLab, Kubernetes, OpenShift, Heroku, GitHub, Vercel
<b>Module Bundlers</b>	Webpack
<b>Cloud Platforms</b>	Amazon Web Services (AWS)
<b>Shell Scripting</b>	Bash, Z Shell (ZSH)
<b>Version Control</b>	Git

SELECT  
PROJECTS**A Facebook-like Social Media Web App** [GitHub Repo](#) | [Live App](#)*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