

ARSALAN SADRI

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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. A 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 | Full-time

- -- 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 | Part-time

- 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 | Remote | Part-time

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

Project Manager

2015 - 18

Sadra Trade and Services | Tehran, Iran | Full-time

- 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 | Full-time

- 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)

University of Manchester, Manchester, United Kingdom (ranked 27th 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)

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](#))

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

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

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), [MySQL](#), Firebase, Handlebars.js, Sequelize ORM, [MongoDB](#), Express.js, Bootstrap, [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

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