

# OMKAR PRASHANT SHELAR

omkarshelar24@gmail.com • 646-206-9972 • <https://github.com/omkarshelar> • <https://www.linkedin.com/in/omkar-shelar/>

---

## EDUCATION

**Master of Science** (Computer Science)  
Arizona State University, Tempe, AZ

Graduating December 2025

**Bachelor of Engineering** (Computer)  
Savitribai Phule Pune University, Pune, India

July 2015 – May 2019  
GPA – 7.49/10

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, TypeScript, Python, Go, Java, C++, C, SQL

**Databases:** Relational Databases (MySQL, PostgreSQL, SQLite), MongoDB, Amazon DynamoDB, Redis

**Technologies:** GraphQL, React, Angular, Flask, Git, GitHub, Bash, Node.js, Docker, AWS, Spring Boot, Sass, HTML

**Certifications:** AWS Certified Developer – Associate (Expired), AWS Certified Solutions Architect – Associate (Expired)

**Other Skills:** User Interface development, object-oriented design patterns, creating entity relationship diagrams, cloud architecture patterns for decoupling and scalability, automated unit testing and REST API development patterns.

## PROFESSIONAL EXPERIENCE

**Mediaocean Asia Pvt. Ltd, India:** Software Engineer - Development

July 2021 – December 2023

- Worked on a TV media planning product, developing user interfaces to aid customers in creating and analyzing advertising campaigns
- Developed multiple interactive graphs to help customers visualize different metrics of advertising campaigns on the front-end using TypeScript, React, and GraphQL
- Contributed to the REST API(Python/Flask) endpoints and GraphQL schemas for type-safe API access
- Contributed to the internal React components library to improve the developer experience
- Worked closely with product management, engineering, and user-interface design teams to improve the overall user experience for customers

**Express Analytics India Pvt. Ltd, India:** Web Application Developer

September 2020 - July 2021

- Worked on the development of a product that aided in creating targeted marketing campaigns using customer data with Java 8, Spring, React, and Amazon Redshift
- Worked on migrating the front-end codebase from AngularJS to React
- Developed user-friendly and reusable custom React components from the given wireframes and requirements
- Conceptualized and worked on a proof of concept using AWS SQS, Lambda, S3, Angular, and Sass

**Cognizant Technology Solutions India Private Ltd, India:** Programmer Analyst Trainee

June 2019 - May 2020

- Built a web-based platform for laboratory equipment management using Angular, TypeScript, and Sass
- Designed and developed software according to client requirements and wrote unit tests for the application
- Worked on multiple proofs of concepts like internationalization(i18n) for accessibility and feature flags with lazy loading using Angular

**TechHighway Systems Pvt. Ltd,** Intern

April 2018 - May 2018

- Developed an internal marketing and customer relations tool using PHP, JavaScript, MySQL and HTML/CSS

## PERSONAL PROJECTS

### **AWS profile switcher CLI tool**

- A CLI utility to quickly switch profiles configured via the AWS CLI toolchain
- It allows changing the active profile to any non-default profile
- Once configured, existing scripts work without overriding AWS CLI's 'profile' flag
- Source code: <https://github.com/omkarshelar/aws-cli-profile-switch>

### **Least Recently Used (LRU) cache library**

- A simple in-memory LRU cache written in TypeScript which can be used on both the front-end and back-end
- Complete unit test coverage with type-safety at compile time using generics. It is published as an NPM package.
- Source code: <https://github.com/omkarshelar/lru-cache>

### **Temporary File Hosting Application**

- Temporary file hosting application built using serverless technologies
- Developed a web interface and CLI tool to upload files
- Built using Typescript, AWS Lambda (Python/Boto3), DynamoDB, ParcelJS (for front-end app), S3, Node.js

## EXTRACURRICULAR ACTIVITIES

- Assisted one of my professors to teach AWS Cloud Computing as a guest lecture in a different college.
  - Participated in a college hackathon, February 2018
  - Volunteered to develop software for participant registration for the annual college event, January 2018
  - Volunteered to develop programming problems and puzzles for a college event, January 2017
-