

Omkar Prashant Shelar

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Professional Summary :

Looking to solve important and challenging problems. Interested in working on Cloud Technologies(AWS)/ Serverless Technologies and NoSQL Databases.

Skills and Interests :

- **Languages** : JavaScript, TypeScript, Python, Java, Bash, SQL
- **Frontend Technologies** : HTML, CSS, Sass
- **Databases** : Relational Databases(MySQL), Amazon DynamoDB
- **Frameworks** : Angular 2+, Python/Flask, Spring, AWS Chalice
- AWS Architectural patterns for decoupling and scalability.
- **Certifications** : **AWS Certified Cloud Practitioner, AWS Certified Solution Architect - Associate**

Work Experience :

- **Express Analytics India Pvt. Ltd.** (September 2020 - Present) as a **Web Application Developer**
Developing a product for targeted marketing campaigns using customer data with **Java 8, Spring, AngularJS, Amazon Redshift**.
Also worked on a proof-of-concept involving **AWS SQS, Lambda, S3, Angular(11)**.
- **Cognizant** (June 2019 to May 2020) as a **Programmer Analyst Trainee**
Developed an scientific instrument maintenance management web portal using **Angular 8/Typescript**.
Also worked on multiple proof of concepts to showcase capabilities to the client like i18n, feature flags.
Responsibilities - Design and develop according to given requirements. Unit Testing of the application.
- **TechHighway Systems Pvt Ltd, Pune (One Month)** as an **Intern**
Developed an Internal Marketing and Customer Relations tool.
Languages/Technologies - **PHP, Javascript, HTML/CSS, MySQL**

Education :

Bachelor of Engineering, Computer Engineering (Pune University, 2019)
CGPA - 7.49/10 College - Vishwakarma Institute of Information Technology, Pune

Personal Projects :

- **Slack Broadcast :**
Broadcast messages to multiple slack channels using webhooks.
Allows for management of slack channels. Built it as a progressive web application and mobile first interface.
Technologies Used: Angular, AWS Lambda, AWS Cognito, AWS DynamoDB, AWS Amplify.
More Details: <https://omkarshelar.dev/work/slack-broadcast>
- **Temporary file hosting application :**
Temporary file hosting application built using S3. Web Interface/CLI tool to upload files.
Technologies Used: S3, AWS Lambda(Python/Boto3), DynamoDB, ParcelJS(for frontend app), Node.js
More Details: <https://omkarshelar.dev/work/file-hosting>
- **File Hosting Service :**
Basic clone of dropbox. Allows users to upload and download files and folders.
Technologies Used : Python/Flask, Amazon S3, Amazon DynamoDB
Documentation Link : <https://omkarshelar.dev/assets/S3%20Hosting.pdf>
- **URL Shortener Service using Python/Flask :**
A simple URL shortener service. Allows custom URLs and activation and deactivation of URLs.
Tracks the number of clicks on the shortened link.
Technologies Used: Python/Flask, SQLite, HTML/CSS
Source Code: <https://github.com/omkarshelar/simple-url-shortner>

- **Sample GraphQL implementation :**

GraphQL implementation of a sample Twitter like database. It was implemented as a proof of concept for the academic report. The full report is at link : <https://omkarshelar.dev/graphql-report.pdf>

Source Code: <https://github.com/omkarshelar/flask-graphene>

- **Inventory and Billing Management System for restaurants (5-person team) :**

Allows the user of the application to place orders in a restaurant.

Used graphs to visualize the billing information and statistics using JFreeChart.

Technologies Used: Java Swing for GUI. Java for backend. MySQL for databases

Co-curricular Activities :

- Took two **lectures** on AWS EC2 and S3 in my college
 - Helped my professor take a **guest lecture** in AWS EC2 deployment at NBN Sinhgad School of Engineering, Pune
 - Led a 4 person team on an Angular project at Cognizant Academy
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