

# 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:** Java, JavaScript, TypeScript, Python, SQL, Sass, CSS, HTML
- **Databases:** Relational Databases(MySQL), Amazon DynamoDB, Redis
- AWS Architectural patterns for decoupling and scalability
- **Technologies:** React, Angular 2+, Flask, Spring, Express, Bash, Node.js, REST APIs, GraphQL, Docker, AWS EC2, ECS, Beanstalk, Lambda, S3, ElastiCache, SQS, RDS
- **Certifications:** AWS Certified Developer - Associate. AWS Certified Solution Architect - Associate

## Professional Experience:

- **Express Analytics India Pvt. Ltd**, Pune as a *Web Application Developer* (September 2020 - Present)  
Developing a product for targeted marketing campaigns using customer data with **Java 8, Spring, React, Amazon Redshift**. Working on migrating the current stack (AngularJS) to **React**.  
Also worked on a proof-of-concept involving **AWS SQS, Lambda, S3, Angular(11), SASS**.
- **Cognizant** as a *Programmer Analyst Trainee* (June 2019 - May 2020)  
Developed an equipment management web portal using **Angular(8), TypeScript, SASS**.  
Worked on multiple proof of concepts like i18n, feature flags with lazy loading using **Angular(8)**.  
*Responsibilities* - Design and develop according to given requirements. Unit Testing of the application.
- **TechHighway Systems Pvt Ltd**, Pune as an *Intern* (April 2018 - May 2018)  
Developed an Internal Marketing and Customer Relations tool.  
*Technologies* - PHP, JavaScript, HTML/CSS, MySQL

## Education:

**Bachelor of Engineering**, Computer Engineering (Pune University, 2019)  
College - Vishwakarma Institute of Information Technology, Pune

**CGPA: 7.49/10**

## Projects:

- **AWS CLI profile switcher:**  
CLI tool to easily switch profiles configured via the AWS CLI. Change the active profile to any non-default profile and use that profile as your default profile.  
*Source:* <https://github.com/omkarshelar/aws-cli-profile-switch>
  - **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:* Typescript, AWS Lambda(Python/Boto3), DynamoDB, ParcelJS(for frontend app), S3, Node.js  
*More Details:* <https://omkarshelar.dev/work/file-hosting>
  - **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 API 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>
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