Mehmood S. Deshmukh

A Software Engineer who loves building things in Python & Node.js and scripting in bash.

Github: meshde | **Topcoder:** meshde | **StackOverflow:** meshde

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EXPERIENCE

Capbase, Inc., Remote — *Engineering Lead*

APRIL 2021 - PRESENT

Responsibilities:

- **Lead projects** to fruition with engineering teams of varying sizes ranging from 3 to 7.
- Active **involvement in product ideation and planning**, primarily to evaluate the **technical feasibility** of proposed features/product solutions and to **scope out & design the architecture** of the implementation of the same.
- Lead the engineering side of the customer support team.
- **Team Management & Development:** Conduction of bi-weekly one-on-ones with each team member and conduction of weekly workshop/Q&A sessions covering the technical knowledge base of the platform and other general topics, such as AWS.

Notable Contributions:

- Evangelized the use of unit and automated tests to cover bugs that were being fixed & as a means of specifications for new features in the team.
- Ideated & developed or led the development of numerous admin tools that enabled the customer support team and general engineers to investigate and resolve user issues without needing full-blown production access.

Skills:

Software Architecture Design | Technical Research | Team Leadership | AWS CloudFormation | AWS DynamoDB | Node.js

Capbase, Inc., Remote — *Senior Software Engineer*

MARCH 2020 - APRIL 2021

Responsibilities:

- Design & development of a SaaS platform with **React** as the frontend and **AWS Appsync (GraphQL)** and **AWS Lambda (Node.js runtime)** as the backend. The project involved the use of many other AWS services such as DynamoDB, S3, SQS, CloudWatch Insights, OpenSearch (ElasticSearch), Cognito, IAM, etc. The deployment and orchestration of the various AWS resources was done using **AWS Amplify.**
- **Production & user support**. Being the sole engineer with access to production, I was responsible for investigating and resolving bugs

DEVELOPMENT TOOLS

Vim + tmux + bash + docker

DEVELOPMENT PHILOSOPHY

Code Quality Over Functionality

UNCANNY ABILITIES

Circumventing new codebases/ technologies/concepts with ease.

INTERPERSONAL SKILLS

Team Leadership, Technical Training, Written & Oral Communication

SKILLS

Software Architecture Design | Node.js | AWS | Python | PHP | C# | CSS

HONORS

Topcoder Open 2019 (TCO19) India Finalist
Development Track

& other issues that popped up for users and/or in the deployment process.

Notable Contributions:

- Identified and implemented optimisations in the core backend process leading to a speedup of about 50%.
- Fixed more than a few hard-to-debug and highly intermittent bugs.
- Ideated and delivered an admin tool allowing customer support personnel to have read-only access to a particular user's view of the product. This led to the support team having more context of the user's issues thereby leading to faster resolution and happy customers.

Skills:

AWS CloudFormation | AWS DynamoDB | Node.js | Typescript | ElasticSearch | AWS Cognito | GraphQL | AWS Lambda | React

Media.net, Mumbai — *Web Developer L2*

JULY 2018 - MARCH 2020

Responsibilities:

- Design, development, and deployment of build processes responsible for the automated compilation of templated Windows and macOS desktop applications and development of a platform for their distribution.
- Development of features and fixes for an application distribution
- Research and rapid development of Proof of Concepts for new features.

Notable Contributions:

- Implemented a highly reliable technique for user attribution that could embed user information in a digitally signed Windows executable file without breaking the signature.
- Conducted live and video courses on Web Fundamentals. The course was designed to cover the intricacies of widely used concepts of JavaScript and CSS that are commonly misunderstood amongst fresh college pass outs.

Skills:

Node.js | Python | PHP | Vanilla JS | C# | Swift

Topcoder, Remote — *Freelance Software Developer*

DECEMBER 2018 - MARCH 2020

Part of the Topcoder community as a developer, actively working on the software development projects hosted on the platform. Community members participate and submit solutions to open projects, the submissions are then scored on the basis of parameters such as whether or not the requirements are fulfilled, the usage of best practices, maintainability of the code, code coverage, security considerations, etc.

Skills:

Node.js | Python | React.js | Xamarin | AWS | Kafka | Docker