Swapnil Patil
Staff Software Engineer at Commscope in Singapore

I am a techie and I love making cool products. 12 years of Experience in creating Enterprise Web and Hybrid Mobile Applications. Blog Website Github Linkedin

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FRONTEND

Core Javascript
React   Typescript
GraphQL
React Native
Storybook   Gatsby
JAMstack   Redux
Jest   Angular
Webpack   HTML5
CSS in JS   D3.js
SASS   Websockets
Server-side Rendering

BACKEND

Microservices
Node Js   Express
AWS   Nest JS
Java   Spring Boot
Postgres   Redis
resilience4j   JWT
Junit   Docker
Mockito   Kubernetes
Hibernate   Liquibase
Flyway

SUMMARY

Hands on experience of performance optimisations using algorithms, data structures and architectural patterns

Experience working in Enterprise as well as Startup Environment

Continuously improving processes and raising the bar in terms of software quality and engineering best practices

Proven experience in building scalable products by adhering to agile development, unit testing, code reviews, design documentation and CI-CD practices

WORK EXPERIENCE

Staff Software Engineer
CommScope Inc.

04/2021 - Present   *Singapore*

- Working on Ruckus Analytics product - https://www.commscope.com/ruckus/
- Full stack development in React-Redux, TypeScript, Node Js, Express, TypeORM, PG, Apollo GraphQl, Redis, Postgres, Kubernetes and Helm.
- Setup of Kubernetes cluster for local development to reduce difference between production dev environment
- Created code generator using Yeoman, which will create and update blueprint/configurations of Microservices

Senior Software Engineer
Singapore Telecommunications Limited

07/2018 - 03/2021   *Singapore*

- Worked on MySingtel and hi!App which has around 1.5million+ active customer base.
- Full-stack development for the prepaid and postpaid application using React-Redux, React-Native, Node Js, GraphQl, Spring Boot, Hibernate, Redis and Postgres.
- Won an award for creating "catch a fish" game which enhanced customer engagement.
- Trained teams on React during project on-boarding.
- End to end setup for projects - Nexus, CI-CD setup, Bamboo Pipelines, SonarQube, Green-Blue Deployment, Automated deployment for Gatsby.
- Exposure of different AWS cloud services - EC2, Containerised deployment on Elastic Compute Cloud, RDS, DynamoDB, Lambda, Elastic Cache, Cloudfront, S3.

Senior Software Engineer
DBS Bank

01/2017 - 07/2018   *Singapore*

- Complete focus on the frontend to deliver DBS Internet banking applications for India and Indonesia by creating common components and micro-frontends.
- Leverage component based approach to create DBS specific component library.
- I did from scratch setup of React-redux application - Setting up the project structure, adding unit testing, linting checks; library setup on private nexus, CI-CD setup for different environments, mock environment. ⧉
- Setting up project using advanced Webpack features - hot reload , optimised production builds, code splitting, image optimisations.
- Worked with team size of ~12 frontend developers located in multiple locations.

CLOUD

AWS

EKS, ECS, RDS, DynamoDB, Lambda, ElasticCache, CloudFront, Route-53, S3 as Storage, S3 as Website, Auto Scaling

CI-CD

Kubernetes, Helm, Cicle-CI, Jenkins, Jira-Bitbucket-Bamboo Pipelines, Blue-Green deployments

WORK EXPERIENCE

Senior Associate
Cognizant (Raymond James - financial services company)

01/2016 - 01/2017   *India*

- Frontend development Angular 2 framework for Model Management and Trading Platform
- Created Express/Node Js Services using GraphQl, MySql, Redis cache as middleware to Java heavy backend
- Received Extra Mile Award for learning and mentoring teammates on Angular 2
- Participate in Campus Interview process for hiring Frontend Engineers

Web Application Engineer
Embin Technologies

06/2011 - 01/2016   *India*

- I started as a 3rd employee of the company and we grew up to 30 people in span of 4 and half years
- Created scalable middleware engine which serve JSON api's to different Newspaper apps with 1 million+ downloads
- Developed a from scratch PaaS that caters to multiple applications in Media Publishing industry till date
- Worked on multiple technologies - Java, Spring, HTML5, Mobile web, Angular JS
- Developed product with multiple features - onboarding panel, dashboards, App Analytics, App Preview Service, Subscription Management System, Push Notifications Panel, Ads Management

Web Developer
Signy IT Solutions - Verve Communcations - Techview Web Solutions

02/2009 - 05/2011   *India*

- Web Development using PHP MVC frameworks like codeigniter and CMS like wordpress

EDUCATION

Bachelors in Mathematics
Pune University

04/2003 - 04/2006

Masters in Computer Application
Pune University

04/2006 - 04/2009

OTHER PROJECTS

micro8 ⬀
- Implementing patterns and standard practises for Microservice development in Node Js, Spring Boot, Docker, Postgres and Kubernetes

Algorithms and Data Structures in Javascript ⬀
- Implementation of different Algorithms, Data Structures and solve challenging problems involving them.

JSVilla ⬀
- Post Aggregator in Angular 4 + Express

NijiNote - Private, Encrypted Communication ⬀
- Private Communication app for iOS and Android
- Encryption in transit and rest, no information stored on server