

PREETAM TEWARI

Bengaluru, KA

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[Portfolio](#)

Software Engineer with 6 years of experience in software development. Dedicated professional in proven performance in development, management and leadership. Detail oriented in problem solving and planning. Ready to make an immediate contribution to the organisation

PROFESSIONAL EXPERIENCE

Nagravision, Benagaluru

2024-Present

Software Engineer 2

- Worked on building AT Platform from the ground up which involved building a spring boot backend to manage user registration, device registration, authentication, internal token generation for communication between components, API key generation, handling of device responses, health checks and pushing FOTA updates to the devices
- Built an Admin UI tool based on React and Material UI, to handle users, manage devices, schedule FOTA campaigns and create/delete API keys
- Created Grafana dashboards to monitor each individual microservices status
- Created Terraform scripts to bring up AWS Secrets Manager, EC2 instance for the private load balancer and bring up the IAM component with all the required policies to allow it to talk to the other components
- Used Docker extensively to build the images for different components and deployed them on AWS ECS and built VSCode devcontainer images for each of the components to have a common development environment regardless of the system being used
- Set up a Gitlab pipeline to run on each commit to detect secrets, build the image, run unit tests, component tests and push the image to JFrog artifactory
- Wrote unit tests using Vitest and RTL for the UI and JUnit for the backend applications to ensure a code coverage of over 80%
- Mentored junior engineers and helped them ramp up to the project requirements

Juniper Networks, Bengaluru

2018-2022

Software Engineer

- Created an UI SaaS tool for the product offerings of Juniper for consumers by integrating internal CLI tools which led to reduction in testing time by 40%
- Integrated Mist AI API endpoints with SaaS tool to automate event correlation, root cause identification and anomaly detection
- Used python as a scripting language to setup automations to provision Linux VM instances, collect telemetry data and write to an influx time-series database
- Wrote reusable unit test documents to ensure quality control and automated automatic retrieval of VM instances in the event of failures

INSZoom.Inc, San Ramon, CA

2017-2017

Product Engineer

- Analysed requirements and designed specific software solutions
- Worked on MVC design pattern on .NET framework and participated in code reviews
- Participated in code reviews

KPIT Technologies Limited, Bengaluru

2013-2014

Associate Software Engineer

- Participated in requirement gathering from client and updating the existing modules based on client request
- Contributed to development of client and server database application

EDUCATION

Master of Science in Computer Networks, University of Illinois at Chicago, Chicago

2014-2016

GPA: 3.07 / 4.00

Bachelor of Engineering, BVB College of Engineering and Technology, Hubli

2009-2013

GPA: 8.77 / 4.00

SKILLS

Languages: Typescript, Java, Python, HTML, CSS, PHP, SQL

DevOps: Docker, Gitlab CI/CD, Jenkins, JFrog, Terraform

Frontend: React, VueJS, NextJS, TailwindCSS

Cloud Providers: AWS, Azure Open AI

Backend: Spring Boot, Dropwizard, Express, Laravel, Flask

Testing Tools: Vitest, JUnit, PyTest, Wiremock, Cucumber, Webdriver.io

Others: Git, Gitlab, OpenAPI, Quartz Scheduler