

PARAG SHAH

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EDUCATION

Northeastern University, San Jose, CA Jan 2020 - Present
Master of Science in Computer Software Engineering GPA - 3.7/4.0
Related courses: Data Structures and Algorithms, Web Development, Network Structures and Cloud Computing

University of Mumbai, Mumbai, India Aug 2010 - Jun 2014
Bachelor of Engineering in Electronics and Telecommunications

TECHNICAL KNOWLEDGE

Languages: Python, Java, JavaScript, Shell script, SQL
Web technologies: Django, Flask, React.JS, REST API, HTML, CSS, Flutter
Cloud/DevOps skills: AWS, Terraform, Github Actions, Packer, Docker, CodeDeploy, Heroku
Databases: MySQL, PostgreSQL, SQLite, MongoDB, Oracle DB, DynamoDB, Firebase
Other skills: Linux, JMeter, Postman, Selenium, Git, Jenkins, JUnit

WORK EXPERIENCE

Hewlett Packard Enterprise, San Jose, CA May 2021 - Present
Software Engineer Intern

- Developing API libraries in Python to calculate failover benchmarks for cloud storage arrays which helps improve efficiency
- Creating shell scripts to check log snippets and serve failover metrics to MongoDB servers for monitoring

Boku Inc., Mumbai, India Aug 2017 - Nov 2019
Software Engineer

- Built a UI automation framework using Python for 4 web applications which helped in increasing test coverage by 50% by adding multiple merchants and carriers on the platform
- Developed API automation scripts for REST based Web Services using Python, JMeter and Postman
- Helped in creating shell scripts for QA deployments which helped to reduce 80% manual tasks

Accenture Solutions Pvt. Ltd., Mumbai, India Jul 2014 - Aug 2017
Software Engineer

- Automated a password management application using Java & Selenium saving 70% manual testing efforts
- Spearheaded entire QA process for 6 releases and performed ETL/Database testing for over 10,000 weekly customer data
- Designed a time validator tool with VB scripting saving over 50% weekly tracking efforts for project

PROJECTS

AWS DevOps Project Jan 2021 – Apr 2021

- Built a scalable and secure cloud infrastructure with Terraform on AWS that supports auto scaling and load balancing
- Configured CI/CD pipeline for backend application that uses Github Actions and AWS CodeDeploy on EC2 and RDS instances
- Implemented custom AMIs using Packer, captured application-level logs across in AWS CloudWatch for troubleshooting and display metrics, used custom domain and SSL certificates to host the application

Book Library Backend application Jan 2021 – Apr 2021

- Developed backend REST APIs using Python Flask and PostgreSQL for users to manage their book library
- Deployed application on AWS EC2 and RDS instances and used DynamoDB, S3 for app related data and file storing

Django Blog Web application July 2020 – Aug 2020

- Developed a blog post web app using Django and Postgres for users to create and update blogs
- Implemented custom email notifications to users using SMTP Email servers and deployed application using Heroku

Apartment Offer Web scrapper Nov 2020 – Dec 2020

- Created a Python Web scrapping script that fetches latest apartment offer details and notifies user on Gmail
- Uploaded script on cloud Ubuntu server and used cron jobs to schedule daily runs and track latest changes

Garage Sale Android application Sept 2020 – Dec 2020

- Created an intuitive mobile application using Flutter and Firebase for users to list products online