

RISHAB AGARWAL

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EDUCATION

Master of Science in Information Systems, Northeastern University, Boston, MA (GPA: 3.92 / 4.0) Expected 2024
Relevant Coursework: Application Engineering, Cloud Computing, Web Design and Engineering, and Object Oriented Paradigms.

Bachelor of Information Technology, Savitribai Phule Pune University, Pune, India 2014 - 2018

SKILLS

Programming Languages: Java, NodeJS, Python, SQL
Web Frameworks: SpringBoot, ExpressJS, Hibernate, Spring, Spring MVC, REST Services
Front End: HTML, CSS, ReactJS, SASS
Cloud Tools: AWS, Azure, Jenkins, GitHub Actions, Packer, Terraform, Docker, Kubernetes,
Databases: MySQL, Postgres, MongoDB, AWS RDS
Other: Git, VS Code, IntelliJ, Eclipse, Swing, Linux, AWS Lambda, EC2, S3, Route53

EXPERIENCE

Software Development Engineer – Java Developer Apr 2021 – Aug 2022
Persistent Systems Ltd *Pune, India*

- Implemented REST APIs in Spring Boot (Java) for Hospital applications to interact with Alissa Interpret Application, enabling tasks such as patient creation, analysis generation, etc.
- Planned infrastructure for deployment of REST APIs and scaled product to over 5000 users on AWS reducing manual efforts by 90% leveraging Jenkins and AWS services such as EC2, AMI, S3, RDS, Route53, IAM roles, etc.
- Integrated Terraform to deploy the Infrastructure on AWS helping in managing multiple environments like dev, prod, and qa.
- Revamped the architecture of the product resulting in an increased revenue of USD 100,000.
- Expedited the testing of REST APIs using Postman (Automation Testing), minimizing the testing time by 80%.

Software Development Engineer – Java Developer Aug 2020 – Apr 2021
Persistent Systems Ltd *Pune, India*

- Led development of innovate features using Java, Spring, and Maven on a desktop application and built UI using Swing.
- Headed code reviews for product and mentored several engineers regarding effective Design Patterns for the repository.
- Implemented optimized solutions reducing bug resolution time by 20% resulting in faster issue resolution

Software Development Engineer – Full Stack Developer Aug 2018 – Aug 2020
Persistent Systems Ltd *Pune, India*

- Engineered backend Java code using Spring MVC framework and Hibernate to create tables, views, and map the objects (DB).
- Refurbished Java code increasing efficiency of application by replacing Data structures, resulting in 25% reduction in response time.
- Programmed the UI components for Doctor Profiles using JavaScript, JSP, CSS, and HTML as per requirements.
- Automated manual process of application deployment employing Jenkins, saving 4 hours of manual deployment time to 10 mins.

PROJECTS

Cloud Native Web Application (CI/CD, GitHub Actions, RESTAPI, AWS, Terraform)

- Developed a cloud-native backend application with NodeJS, adhering to the 12-factor app methodology.
- Deployed production-ready infrastructure utilizing Terraform, including auto-scaling groups, load balancers, RDS database instances, and CloudWatch alarms across multiple AZs, achieving 99.99% uptime and horizontal scaling during peak traffic.
- Implemented GitHub Actions for CI/CD and utilized HashiCorp Packer to containerize applications in AWS AMI resulting in 99% automated app startup when EC2 instances are launched employing systemd.
- Developed shell scripts in computerizing process in GitHub Actions & Packer for Ec2 instance helping save manual work by 90%

Playpals (MERN Stack)

- Employed NodeJS, Redux, and ExpressJs for back end and used ReactJs for front end of application.
- Mobilized different types of APIs like Email Js, Chart JS, Full Calendar IO, Twilio, JWT Tokens, etc.

CERTIFICATIONS

- AWS Cloud Practitioner ([Certificate](#))