

VAIBHAV DHOKE

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Boston MA 02130

EDUCATION

Northeastern University, Boston Massachusetts USA

Aug 2019 - Aug 2021 (Expected)

Master of Science in Information Systems

GPA 3.9/4.0

Veermata Jijabai Technological Institute, Mumbai India

May 2015

Bachelor of Technology in Information Technology

GPA 3.4/4.0

SKILLS

- Programming Languages: **Java** (Core/Advanced), Python, C, C++, **JavaScript**, C#, ASP.NET, Ruby on Rails
- Web Technologies: JSP, AJAX, Bootstrap, HTML, CSS, jQuery, TypeScript, Redux, ES6, Vue.js
- Frameworks: Hibernate, Servlet, **Angular**, **React**, Node.js, **Spring MVC**, **REST API**
- Databases: Elasticsearch, MySQL, SQL, MongoDB, PostgreSQL, Kafka, DynamoDB, S3, Sequelize
- DevOps / Cloud Tools: AWS, Kubernetes, Docker, Terraform, Circle CI, Ansible, Jenkins, Packer, Route 53
- Tools: Git, Bitbucket, Tableau, Selenium, JIRA, Jasmine, Junit, Postman, JetBrains, Apache JMeter

PROFESSIONAL EXPERIENCES

Spare-it | Full Stack Developer | Boston, Massachusetts, USA

Sep 2020-Jan 2021

- Developed web application for monitoring the waste-tracking scale that increased the customer satisfaction by **100%**
- Implemented **CI/CD** pipeline using Jenkins which improved the flexibility and ability to ship new features by **90%**
- Developed backend RESTful APIs in **NodeJs**, **Express** that served data to our **React** front-end based on dynamically chosen user inputs that handled over **500,000** concurrent requests
- Assisted in code reviews, product features development, bug fixing & participated in scrum and design meetings

Infosys | Senior Software Developer | Pune, India

Jan 2018-Jun 2019

- Developed dashboard for incident monitoring in **React**, **Bootstrap**, **Express.js**, **Node.js** enabling cost savings by **80%**
- Secured web application using SSL and protected data of **30,000** users against attacks such as XSS, CSRF and SQL injection.
- Received **Award for Excellence** for integrating Kubernetes to replace virtualization with containerization, reducing **50%** cost
- Designed auto healing, scaling automated infrastructure on AWS and achieved and uptime of more than **95%**
- Mentored **15 Software developers** through training sessions and monitoring progress for an initial period of probation

Infosys | Software Developer | Hyderabad, India

Aug 2015-Dec 2017

- Implemented Hibernate ORM for legacy Database which improved query performance by more than **30%**
- Gained firsthand experience with **Node**, **React/Redux**, **Express**, **RESTful** APIs, Git, **Data Structures and Algorithms** via projects code reviews and pair programming.
- Automated Novartis's sourcing contract processes using Java Bean Shell Scripting, bolstering efficiency by **90%**

ACADEMIC PROJECTS

Container Orchestration with Kubernetes | Kubernetes, Docker, Helm Chart, Grafana, Prometheus

April 2021

- Developed 3 microservices (React, Flask, Node) and deployed pods(containers) on Kubernetes Cluster from Docker images
- Designed CI/CD pipeline for building and deploying the Docker Images to AWS Kubernetes Cluster using Helm Chart
- Achieved horizontal pod autoscaling by metric server and load testing for **20,000** concurrent requests using apache bench
- Automated the creation of infrastructure e.g. EKS Cluster and 30 other AWS resources using Terraform

Book Store Web Application | Node.js, EC2, S3, Lambda, Code Deploy, RDS, CloudWatch, DynamoDB

June 2020

- Deployed fault tolerant full stack web application on EC2 instances with CICD pipeline via GitHub, CircleCI, AWS CodeDeploy
- Automated (IaC) creation of **20** AWS resources via bash scripts, HashiCorp Terraform and AWS Cloud Formation
- Published messages to SNS topic to trigger serverless API through Lambda function and sent emails via SES
- Leveraged auto scaling and load balancing **10,000** concurrent HTTP request and validated performance via Apache JMeter

The Adda | Spring Boot, Hibernate, JPA, MySQL

April 2020

- Engineered an end to end application in Java **Spring** MVC to organize groups, built **RESTful** APIs for tracking events
- Incorporated Bcrypt hashing scheme with Salt using Spring security to store sensitive user data in the database

NEUZ Application | React, Node.js, Express.js, MongoDB

Nov 2019

- Built a web application using **MERN** stack which enables users to read real-time news feed from around the world.
- Developed a highly user-friendly website with **React**, **Redux**, **Bootstrap**, **Node.js**, **Express.js**, **MongoDB**