

# Nivas Hegde

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## EDUCATION

### **M.S. - Computer Science**

California State University - Long Beach, CA

**May 2021**

GPA 3.44/4.00

### **B.E. - Computer and Information Science**

Visvesvaraya Technological University, Bangalore, India

**July 2017**

## EXPERIENCE

### **Graduate Student Tech Assistant**

**Oct 2019 – Present**

*California State University - Long Beach, CA*

- Reduced incoming tickets by over 30% by automating manual tasks.
- Develop back-end part of applications for University - Python, Rest API, Microsoft Azure
- Automate daily tasks using scripts and software – Python Scripting, PowerShell, Jenkins

### **Software Development Engineer**

**Sept 2017 – June 2019**

*Accenture - Bangalore, India*

- **Part of team which converted Disney's Monolithic architecture to Microservices.**
- Designed & built web services using Java Spring Boot, RESTful API, RabbitMQ & Redis integration deployed on AWS.
- Designed & built data processing systems using Spring Batch.
- Containerized and Deployed Microservices on AWS using Docker, EC2, ECS, ElastiCache, Lambda.
- Authored multiple technical architecture & reference architecture documents.
- **Developed Java Libraries which eliminated re-writing 300+ lines of code in each Microservice.**
- Developed Python Script for test automation – **Reduced testing containers from 15min to 30sec.**
- Mentored a team of 4-5 to get familiar with tech stack – Spring, AWS, Docker.

## PROJECTS

- **CICD Pipeline - Jenkins, Docker, GitHub, AWS ECR** - Pipeline to automate the build & deployment process of Golang application.
- **Printer Toner Manager - Python** - Script which hit all printers via SNMP, fetch toner details and notify when to order cartridges.  
**Helped save time in manually checking toner levels.**
- **Expense Tracker - Android** - Application to track expense & provide insights about spending.
- **Movie Manager - Spring boot, Netflix OSS** - Application to demonstrate fault tolerance & resilience in Microservices.

## TECHNICAL SKILLS

- **Languages:** Java, Java8, Python, Shell scripting
- **Frameworks:** Spring Boot, Spring Batch
- **Technologies:** Microservices, Amazon Web Services (AWS), RESTful API, Distributed Systems, DevOps, Agile/Scrum
- **Tools:** Docker, Kubernetes, Redis, RabbitMQ, Jenkins, Apache Kafka, Terraform, Netflix OSS, Consul, Git, Junit, Maven
- **Database** – MySQL, DynamoDB, Elasticsearch