

Prayag Bhatia

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EDUCATION

M.S Computer Science	Jan 2023 - Dec 2024
Arizona State University, Tempe, AZ	3.89 GPA
B.Tech Computer Science	May 2015 - Apr 2019
Vellore Institute of Technology	8.32 GPA

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, Ruby, Golang, SQL, Bash

Technologies/Framework: Django, Flask, React.js, SpringBoot, Typescript, Node.js, HTML5, CSS, Bootstrap, REST API, GraphQL, gRPC, Docker, Kubernetes, Apache Kafka, GIT, AWS, Azure, CI/CD, Kibana, Grafana, Pandas, Numpy, Tensorflow

Tools, Databases, and OS: MySQL, PostgreSQL, Redis, Cassandra, RocksDB, MongoDB, Neo4J, Elasticsearch, Firebase, Linux

Certifications: Distributed Programming in Java (Rice University)

PROFESSIONAL EXPERIENCE

Byjus, Bangalore, India: Software Developer II	10/2021 - 11/2022
<ul style="list-style-type: none">Integrated CDNs and developed a Media Packager service in Flask, reducing video upload time by over 70%.Revamped the AB testing service using Golang, enabling clients to analyze and compare multiple application versions leading to a 20% uptick in user engagement.Designed Server Driven User Interface (SDUI) service using Golang, enabling central management of UI elements, impacting over 20 million users.Boosted TLLMS service with Ruby on Rails development, including client API creation for question paper generation.Implemented an AWS CloudWatch dashboard for Byju's Masterclass, reducing downtime incidents by 20% through CPU and database memory alarms.	
Parkplus, Gurguram, India: Software Developer	07/2019 - 09/2021
<ul style="list-style-type: none">Played a vital role in the migration of a monolithic to a microservice architecture reducing system downtime by 70%.Designed and implemented a Django-based Notification Microservice, enabling efficient delivery of nearly a million daily notifications via Apache Kafka.Created and delivered the Booking Microservice using Django (Python), cutting booking processing time by 20% and increasing customer retention by 15%.Designed and delivered the Vehicle Microservice in Django, optimizing vehicle management operations and ensuring efficient handling of tags, contributing to a 20% reduction in manual data entry errors.Integrated New Relic and Kibana for real-time monitoring, performance analysis, and log visualization in microservices, enhancing system observability and reducing issue resolution time by 30%.	

RELEVANT PROJECTS

Graph Processing Pipeline	May 2023
<ul style="list-style-type: none">Engineered a scalable data processing pipeline using Kubernetes, Kafka and Neo4j optimizing data throughput and implementing algorithms such as BFS and PageRank on graph databases.	
E-commerce Website Clone	June 2023
<ul style="list-style-type: none">Developed an e-commerce platform using Django, MongoDB, Redis, React.js, Docker & Kubernetes enabling efficient user authentication, order processing and payment handling with containerized deployment.	
Face Recognition App	June 2024
<ul style="list-style-type: none">Built a real-time face recognition app using PyTorch and AWS (S3, SQS, EC2), resulting in optimized resource management and dynamic request processing.	
Book Movie Tickets	Oct 2023
<ul style="list-style-type: none">Designed a backend system in Java for movie ticket booking, enabling smooth user interactions for show selection, seat booking, and payments.	
Google Notes Clone	June 2023
<ul style="list-style-type: none">Designed a replica of Google Notes using React.js, Node.js, Express and MongoDB allowing a logged-in user to create notes and save them on the cloud.	