

Harikrishnan Unnikrishna Pillai

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TECHNICAL SKILLS

Languages and Web Technologies: React, Java, Python, SQL, NoSQL, Node, HTML, CSS, JavaScript, Scala, C/C++
Frameworks and DB: Hadoop, Spark, TypeScript, JUnit, Jest, MySQL, MariaDB, MongoDB, Next.js, TailwindCSS
Cloud and Tools: AWS, PCF, Linux, Kubernetes, Git, Bitbucket, JIRA, Docker, Postman, JMeter, Terraform, Figma

EDUCATION

Northeastern University, Boston, MA May 2025
Khoury College of Computer Sciences
MS in Computer Science, GPA - 4.0
Related Courses: Programming Design Paradigm, Large-Scale Parallel Data Processing, Distributed Systems
Related Work: Teaching Assistant for Fundamentals of Software Engineering - SDLC, Scrum Master, OAuth, CI/CD, Github Actions, Heroku, Render, Mentoring for end-to-end project development

National Institute of Technology, Calicut, India April 2019
Bachelor of Technology in Computer Science & Engineering, GPA - 8.13
Related Courses: Principles of Programming Language, Object Oriented Programming (OOP), Data Structures & Algorithms

WORK EXPERIENCE

JPMorgan Chase & Co, Bengaluru, India January 2022 - August 2023
Associate

- Managed **REST APIs** and web services with an SLA of 150ms deployed using **Jenkins** pipeline, aiming at enhancing the overall work experience of employees spread across Asia, Europe, and North America
- Extracted millions of records of data from 4 different data sources, transformed and loaded them into the database, exposed user-friendly **Elasticsearch**-backed APIs consumed by teams, and saved 10 hours per onboarding on average
- Architected a **scalable micro front-end application** serving as a one-stop shop for users to be able to set preferred application settings for a suite of 6 in-house applications, collaborating with cross-functional teams
- Created APIs backed by **MongoDB** and deployed them on **AWS** to deliver personalized recommendations on supported applications based on user actions and varying parameters

JPMorgan Chase & Co, Bengaluru, India July 2019 - January 2022
Software Engineer

- Excelled in the team's agile set-up and self-trained into a **full-stack** developer role in the first 2 months within the team
- Collaborated as an **SRE** team member to monitor the resiliency of around 10 applications in production within the **Fintech** domain to ensure availability of 99.9%
- Developed a robust and scalable portal utilizing **ReactJS** for the UI components and **Spring Boot microservices** for the backend, hosted on **private cloud infrastructure** for effectively tracking product roadmaps for over 30 clients

PROJECTS

IPL Fantasy Web App (Next.js, Firebase, TypeScript) [\[Link\]](#) | [\[Website Link\]](#) June 2025

- Built a responsive **Next.js/Tailwind** UI with **Firebase** Auth/Firestore for real-time competition creation, joining, and player assignment; automated data ingestion and leaderboard updates via Cloud Functions; Deployed in **Vercel**
- Developed an Admin Panel with sortable rosters, Framer Motion animations, and a trade system (propose/accept/reject)
- Implemented a mobile-friendly leaderboard and 7-day points trend chart (Recharts) using Firestore composite indexes

Image Processor Application (Java) [\[Link\]](#) December 2023

- Implemented Model-View-Controller (MVC) and **Command design patterns** for a refined architecture while adhering to Don't Repeat Yourself (**DRY**) and **SOLID** principles
- Engineered a Java Swing GUI, facilitating seamless user interaction
- Added image editing functionalities (sepia, crop, split view, level adjust, etc.), accommodating various formats while ensuring software reliability through thorough unit testing using **JUnit**

DigiDine: Personal Chef and Nutritionist (ReactJS, Flask, MySQL) [\[Link\]](#) November 2023

- Built a ReactJS frontend with a **Flask** backend connected to **MySQL** for recipe management, containerized via **Docker**
- Enabled users to filter recipes by dietary restrictions, flavor, and ingredients, and empowered chefs to create recipes with automated dietary-tag assignment via **stored procedures**