

Harikrishnan Unnikrishna Pillai

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TECHNICAL SKILLS

Languages and Web Technologies: Java, Python, React, JavaScript, Node, SQL, NoSQL, HTML, CSS, 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, Kafka

EDUCATION

Northeastern University, Boston, MA

May 2025

Khoury College of Computer Sciences

MS in Computer Science, GPA - 4.0

Related Courses: Design Paradigms, Human-Computer Interaction, Distributed Systems, Large-Scale Parallel Data Processing

Related Work: Teaching Assistant for Software Engineering - SDLC, Scrum Master, OAuth, CI/CD, Github Actions, Heroku,

Render, UI/UX, OpenAI API, Responsive and Accessible Design, 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: Natural Language Processing, Object Oriented Programming (OOP), Data Structures & Algorithms, Web Dev

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 the data 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 on **AWS** to deliver personalized recommendations on supported applications based on user actions and varying parameters, increasing user engagement by 15%

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
- Ensured 99.9% availability for ~10 critical production applications within the **FinTech** domain by implementing **SRE** monitoring and resiliency strategies using tools like **Splunk**, **Kibana**, and **AppDynamics**
- Delivered a scalable client portal using **React** and **Spring Boot microservices**, hosted on **Cloud Foundry**, providing roadmap visibility to over 30 clients and improving stakeholder alignment on product timelines

PROJECTS

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

May 2025

- Built a responsive **Next.js/Tailwind** UI with **Firebase Auth/Firestore** to support 3 core real-time user features: competition management, player assignment, and a complete trade system
- Developed a dedicated Admin Panel with **Framer Motion** animations and sortable rosters, and automated daily leaderboard updates using Cloud Functions that run every 24 hours
- Implemented a mobile-friendly leaderboard and 7-day points trend chart (**Recharts**) using Firestore composite indexes

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

December 2023

- Engineered a scalable image processing pipeline leveraging **MVC** and **Command Design** patterns; improved code maintainability by 60% and reduced code duplication by 45% through **DRY** principles and **SOLID** design
- Implemented an intuitive GUI with **Java Swing** and added features like sepia toning, cropping, and color level adjustments, ensuring software reliability with over 95% unit test coverage using JUnit

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

November 2023

- Built a **Docker**-containerized recipe portal (React/Flask/MySQL) with a backend featuring over 30 API endpoints
- Reduced manual data entry by 100% by creating **stored procedures** that automatically assigned dietary tags (e.g., vegan, gluten-free) across 26 categories, enabling robust filtering for users