Harikrishnan Unnikrishna Pillai

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 github.com/hkrish28   🔗 hkrish28.github.io

🧠 TECHNICAL SKILLS

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

🎓 EDUCATION

Northeastern University, Boston, MA, *MS in Computer Science, GPA - 4.0*   Sep 2023 – May 2025 | Boston, MA
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, Redux, UI/UX, OpenAI API, Responsive and Accessible Design, Mentoring for end-to-end project development

National Institute of Technology, Calicut, India,   Jul 2015 – Apr 2019 | Calicut, India
Bachelor of Technology in Computer Science & Engineering, GPA - 8.13
Related Courses: Natural Language Processing, Data Structures & Algorithms, Web Development

💼 WORK EXPERIENCE

JPMorgan Chase & Co, Bengaluru, India, *Associate*   Jan 2022 – Aug 2023 | Bengaluru, India
- Managed **REST API**s 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 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** using **Electron,** 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** via **Terraform** to deliver personalized recommendations on supported applications based on user actions and varying parameters, increasing user engagement by 15%

JPMorgan Chase & Co, Bengaluru, India, *Software Engineer*   Jul 2019 – Jan 2022 | Bengaluru, India
- 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, Redux** and **Spring Boot** microservices, hosted on **Pivotal 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* ⎋   May 2025
- Built a responsive **Next.js/Tailwind UI** with **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 **Google Cloud** Functions that run every 2 hours

Image Processor Application, *Java, Object Oriented Programming (OOP)* ⎋   Dec 2023
- Engineered a scalable image processing pipeline leveraging **MVC** and **Command Design** patterns; improved code maintainability by 60% and reduced code duplication by 5% 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* ⎋   Nov 2023
- Built a **Docker**-containerized recipe portal 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