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Github

Srikrishna Karnati

Portfolio
LinkedIn

WORK EXPERIENCE

California State University - Long Beach   Long Beach, CA
Web Developer - ISA   *Aug 2021 – May 2022*

- Built a mobile-friendly portfolio and web scraping tool to collect and analyze NFT platform price data for research.
- Instructed 85+ College of Business students in Python programming using interactive Jupyter Notebooks I created.

Infosys Ltd   Hyderabad, TS
Web Developer - Systems Engineer   *Aug 2019 – Jul 2021*

- Collaborated on developing a large-scale e-commerce platform serving 20,000+ monthly active users with a seamless user experience (loads under 2 seconds) and a Lighthouse score of 90.
- Improved customer satisfaction and conversion rates by 50% by streamlining user registration, product catalog management, and payment gateway integration (Technologies Used: React, Bootstrap, PostgreSQL, SpringBoot).
- Increased website performance by 38%, reducing page load time from 4 seconds to 2.5 seconds, and achieved a 29% increase in Lighthouse score (from 70 to 90).
- Reduced API response time by 40% from 500ms to 300ms by optimizing RESTful web services using Java and Springboot.
- Implemented an automated testing framework using JUnit, reducing bug occurrences by 30% and improving code quality by 25%, leading to more stable and maintainable software.
- Identified and resolved 20+ critical defects through comprehensive testing and debugging, ensuring optimal application functionality.
- Refactored legacy code in the payment gateway module, resulting in a 20% increase in transaction processing speed and improved system stability.

SKILLS

Front End: JavaScript, Typescript, HTML, CSS, Next.js, React.js, Redux, Angular, Bootstrap, TailwindCSS.
Back End: Java, Springboot, Node.js, Express.js.
Testing: JUnit, Vitest, Unit testing, A/B Testing.
Database: MongoDB, PostgreSQL, MySQL.
Cloud: AWS, Azure, IAM, VPC, EC2, ELB, Auto Scaling, S3, RDS, Route53, SES, SQS, ECS, lambda.
Miscellaneous: REST, JSON, GraphQL, CI/CD, Micro-services, cross-browser, mobile-responsive, Git, Github, Postman, Linux, Docker, Kubernetes, Microsoft 365, RabbitMQ, Agile, ServiceNow, Shopify, Gradle.

PROJECTS

- **E-Commerce(link)**: Built a full-stack e-commerce app to practice product management. Implemented dynamic listings with Next.js 13, optimized performance with Tailwind (20% page load reduction), and utilized Prisma/MySQL for data management. (Next.js 13, app router, Tailwind, Prisma, MySQL)
- **PageForm(link)**: Built a versatile event registration, poll, and quiz platform with an intuitive drag-and-drop designer (dnd-kit), efficient data handling (server-actions, Prisma-ORM), stunning UI (TailwindCSS, Shadcn-UI), and Next.js/TypeScript for scalability. (Next.js, TailwindCSS, TypeScript, PostgreSQL, dnd-kit, server-actions, Prisma-ORM, Shadcn-UI).
- **Issue Tracker(link)**: Developed a high-performance (Lighthouse score 95) issue tracker using optimized React/Next.js 13.5, enabled efficient form handling (React-hook-form), built a user-friendly UI with Radix-UI, implemented secure user authentication (Next-auth), and leveraged MySQL/Prisma-ORM for data management.
- **GameHub(link)**: Created a video game discovery platform with a search engine filtering and sorting 900k games, a clean UI with React/Chakra-UI, utilized TypeScript for code stability, and integrated with an external games API for data retrieval. (React, Chakra-UI, TypeScript, API integration)

EDUCATION

California State University - Long Beach   Long Beach, CA
M.S. in Computer Science   *Aug 2021 – May 2023*

- **Coursework**: Advanced Analysis of Algorithms, Object oriented Analysis & Design, Software Engineering, Advanced Operating System, Web Technologies, Data structures, Design Patterns, Cloud Computing.