Harsh Priye

Full-Stack Developer

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Education

B.Tech - Computer Science (Mathematics and Computing)	2020 – 2024
Netaji Subhas University of Technology (NSUT)	CGPA: 7.63
AISSCE (CBSE Class 12)	2019 – 2020
Vishwa Bharati Public School	Score: 87%

Work Experience

Tata Consultancy Services (TCS)　　　　　　　　　　　　　　　　1 year 1 month

- **Software Engineer**　　　　　　　　　　　　　　　　　　　(Jul 2024 – Present)
  - Contributed to the development of secure and scalable RESTful APIs for Forex payments app.
  - Orchestrated legacy mainframe database with Spring boot server, reducing data retrieval latency by 40%.
  - Developed the frontend of a Forex payment application as part of a 6-member team.
  - Focused on user-centric design and seamless user experience.
  - Optimized frontend performance by lazy loading, caching and efficient state handling.

  Tech Stack: Java, Spring Boot, Microservices, JavaScript, React.js, Lit Element, Git, Azure

AulaCube Technologies　　　　　　　　　　　　　　　　　　　　　　4 months

- **Frontend Developer Intern**　　　　　　　　　　　　　　　　(Mar 2024 – Jun 2024)
  - Created a comprehensive dashboard, for top level admin control of sutdent's data.
  - Fixed 30+ irresponsive UI issues on the AulaEdge website for small-screen devices.
  - Introduced Tailwind CSS to the existing code base for faster and responsive styling.

  Tech Stack: Typescript, React.js, Ant Design, Chart.js, Git.

Technical Skills / Tech Stack

Languages: Java, JavaScript, Typescript, Bash, SQL
Frontend: React.js, Next.js, Svelte, React-Native, Tailwind, Javascript, HTML, CSS
Server: Spring Boot, Node.js, Express.js, Socket.io, Kafka
Databases, ORMs/ODMs: MongoDB, MySQL, PostgreSQL, Hibernate/JPA, Mongoose, Prisma
CI/CD, Devops, Tools: Docker, Nginx, Github actions, YAML, Git, Linux

Projects

Codeboxes - Online Code Editor
(Java, SpringBoot, Microservices, IPC, MongoDb, JWT, Next.js, Tailwind CSS, Docker, Github Actions)

- Developed a full-stack online code editor which supports 8+ major programming languages.
- Built frontend and UI using Next.js & Tailwind CSS.
- Created a REST CRUD API using Spring Boot following REST Maturity Model Level 2.
- Configured Spring Security for JWT based authentication and Authorization.
- Built a code-execution microservice with Bash & Docker, that communicates with the server via IPC.
- Used Eureka for Service discovery and API Gateway to manage microservices and load balancing.
- Implemented an end-to-end CI/CD pipeline using Github Actions for build, test and deploy automation.

  Source: github.com/harshpx/Codeboxes ,　github.com/harshpx/codeboxes-server
  Web url: https://www.codeboxes.in

Memoize Notes Web & Memoize Mobile App
(Next.js, Expo, React Native, Node.js, Express.js, MongoDb, JWT)

- Built a Full-stack, Cross-platform notes & reaminders app with JWT authentication.
- Created a simple, neat and user-friendly UI with major focus on UX.
- Apart from robust CRUD, Implemented cross platform sync, and offline mode for Mobile devices.

  Source: github.com/harshpx/memoize-v2 ,　/memoize-mobile ,　/memoize-server
  Web url: https://www.memoize.in
  Mobile app: github.com/harshpx/memoize-mobile/releases

Mini Tic-Tac-Toe - Online multiplayer tic-tac-toe game
(Socket.io, Express.js, Node.js, React.js, Tailwind CSS)

- Structured a WebSocket connection using Socket.io for building a low-latency server.
- Designed a robust lobby management and scoring system.
- Also implemented in-game chat using parallel socket connection between both clients.

  Source: github.com/harshpx/tic-tac-toe-socket