# Yogendra Jhala

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## Skills

- JavaScript | C++ | Java | Spring Boot | Node | Express | React | MongoDB | Redux | Git | Oauth | SQL | Python | Flask.
- Data Structure and Algorithm | Microservices | AWS Cloud | System Design | Full-Stack | Docker | Kubernetes | AI.

## Experience

**Developer**                    **ICICI Prudential Life Insurance**                    **July 2023 – current**

### Enhancement

- Enhanced telemedical journey by introducing 'Call Scheduling' with HealthIndia, improving user flexibility and reducing wait times from queue-based calls to user-initiated scheduling. Resolved pending telemedical cases caused by technical issues in the journey by implementing a scheduler that intelligently identifies and picks such cases using advanced SQL queries.
- Designed and developed a PAN verification web service integrated with NSDL, enabling seamless and standardized identity checks across all business channels.
- Designed and implemented a Declaration page in the document upload flow, enabling users to submit policy-related declarations to streamline and expedite the underwriting process.

### Project

- Designed and developed a full-stack web application from scratch using React.js, Spring Boot, Google Apigee, and AWS (EC2, Cloudwatch, S3, ECR, Docker, Runnable jars), implementing secure APIs, scalable architecture, and end-to-end cloud deployment which automated the new partner(source) onboarding process like PolicyBazaar, Coverfox etc, reducing integration time from 12 days to 2 days by implementing a fully DB-driven solution, freeing up 10 resource-days per onboarding.
- Introduced an intranet file system for tester which help to test the upcoming enhancement, reduce 2days turn around time for file access.
- Designed and developed a dynamic, database-driven monitoring dashboard for the support team to track case statuses, campaign performance, payment, and business metrics — enabled screen-level customization via SQL queries (add/remove/edit) and significantly reduced DB load by consolidating multiple heavy queries (2+ min) into a multiple optimized screen with <1s response time.

**Google Summer Of Code (GSOC'23)**                    **Aossie**                    **May 2023 – Aug 2023**

- Successfully Completed GSOC'23 as a contributor under the organization named AOSSIE.
- Add three voting algorithms (Borda count, Schulze, and Score) and fix two existing algorithms (Booye Moore and Okalhoma).
- Utilized the Diamond structure for smart contracts, which enhanced the upgradability and maintainability of the system.
- Developed both open and invite-based elections, catering to different election scenarios and requirements.
- Implemented CRUD operations for elections and their candidates, providing comprehensive management capabilities for the system.
- Worked on improving the UI and UX of the system, ensuring a smooth and user-friendly experience for all users.

**Blockchain Developer Intern**                    **Ubuntu and Orenda**                    **May 2022 – July 2022**

- Served as a blockchain backend developer and led a team of 5, increasing team productivity by 40% through effective task management.
- Designed and built the backend architecture for our job portal website and utilized the graph to build a subgraph for indexing data from IPFS which reduces the search time by 40%. Implemented a smart contract to store content addresses on the blockchain after uploading data to IPFS, which led to optimizing gas fees by 75% and reducing blockchain data space by storing only metadata.

## Projects

**Decentralize Twitter**                    **GitHub**                    **March 2022**

- Developed and designed a responsive social media app with guest user login functionality.
- Enabled users to view and tip articles, as well as post their own articles which improve engagement and User Experience of the website by 30%. Utilized IPFS for decentralized data storage based on content addressing. Used Hardhat for seamless testing, compilation, and deployment of smart contracts. Connected the smart contract to the Ethereum Network using Ethers.js and signed transactions using Metamask as a provider/signer.

**Whisper App**                    **GitHub**                    **December 2021**

- Developed a webpage that allows users to anonymously share and view secrets, with a user base of more than 15 people.
- Enhanced security by implementing level 6 authorization technique OAuth authorization and password strategy to safeguard the webpage and user credentials. Leveraged MongoDB to optimize the scalability and flexibility of the website, resulting in a seamless user experience. Deployed the final product on GitHub for easy access.

## Education

- Major in Electrical and Electronics Engineering (NIT Trichy'23)

## Academic Achievement

- Secured Rank 1 in high school exams and stood among the top 10% of Higher Secondary school students.
- GeekForGeek Institute rank 31, C++ Gold Badge on Hacker Earth, and 2436 rank on Bi-Weekly Contest - 124 Leetcode.