Shri Krishna

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Education

University of Illinois at Chicago — Chicago, Illinois
Masters of Science in Computer Science — *August. 2024 – May 2026*
Coursework: Secure Web Application Development, User Interface Design & Programming, Distributed Computing Systems

SRM Institute of Science & Technology — Chennai, Tamilnadu
Bachelor of Technology in Information Technology — *July. 2016 – May 2020*

Technical Skills

Languages: Java, JavaScript, TypeScript, HTML, CSS, SASS, LESS, Go, MySQL, YAML, Bash
Frameworks/Database: Angular, VueJS, ReactJS, SQL, MongoDB, Prometheus , Grafana, Cypress, JBoss, VictoriaMetrics, Ansible, Selenium, Cassandra, Figma, ElectronJS, Firebase, Maven, RxJS, NestJS,Nginx, React Native, Playwright, Katalon Studio
DevOps: Git, BitBucket, AWS, Docker, Kubernetes, OpenStack, OpenShift, Jenkins, Drone, Azure, Maven, Linux

Experience

UIC Technology Solutions — Frontend Developer — October 2024 – Present
Go Time & MySQL Portal — *Chicago, Illinois*

- Developed a design system in **VueJS**, consisting of common UI components across web applications, leading to a **30% reduction in code duplication**
- Built a robust test framework with **Vitest** for component & **Chromatic** for visual testing, lowering the average number of bugs from 15 to 3 per week
- Ensured **100% accessibility** compliance for all components by adhering to **W3C Accessibility Guidelines 3.0**, focusing on keyboard operability, screen reader compatibility and ARIA labels

Tata Consultancy Services — Full Stack Developer — September 2020 – July 2024
NetApp Service Engine — *Bengaluru, Karnataka*

- Implemented multi-tenancy and role-based access control features using **Pinia** state management, enabling tenant/sub-tenant isolation and multi-customer onboarding on a single infrastructure, cutting operational costs by 50%
- Led a team of four to automate user workflows with **Cypress** end-to-end testing, cutting down on manual UI testing efforts and shortening **release cycles from 2 weeks to 4 days**

ActiveIQ

- Created performance & usage graphs using the **Highcharts**, enabling customers to understand current and predicted usage and costs for better planning, resulting in **40% increased customer retention**
- Designed a **Go-based ransomware defense algorithm** that analyzed real-time I/O patterns to distinguish human activity from bots, using pre-write snapshots and access blocking to prevent encryption and **safeguarded 1,000+ files**

ASUP Tracer

- Developed an **Angular** application which allowed support tickets spread across multiple **Kafka** pipelines to be visualized on a central shared platform, arranging them on a timeline chart using **PrimeNG** which helped resolve them 40% faster
- Migrated the system for consolidating incident report logs from client side to an **ExpressJS** backend service written in **TypeScript** which helped in **33% faster page load time**

Keystone Onboarding Hub

- Developed a **ReactJS** portal that reduced the onboarding process from **2 months to 3 weeks** by assisting multiple teams map storage devices to customers, via easy-to-use **Ag-Grid** table components
- Implemented a **customized authorization** system by modifying JavaScript's **MSA library** to jointly handle both SSO & local logins while maintaining unauthenticated logins below 10%

Projects

RhythPic

- Developed an application in **ReactJS**, **Bootstrap** with an **ExpressJS** backend that plays music while displaying high-quality images generated from the **Stable Diffusion 3.5 model**, while presenting lyrics and relevant song-facts
- Designed a storage server that used **MongoDB** to store images in base64 format and utilized **GraphQL** endpoints to serve large files compressed with **Gzip** for a latency-free transmission

Playpal

- Designed a **ReactJS** and **Material UI**-based platform leveraging Overpass APIs and **OpenStreetMap** data to locate and display nearby recreation centers, providing detailed information about venues and amenities
- Implemented a data validation system using **Google Maps API** and **Bash cron job** which updated data every 24 hours
- Leveraged **MongoDB's** document-based architecture to model hierarchical venue data — including availability slots, pricing tiers, and location metadata

Achievements/Roles

Teaching: Certified over 100 students by tutoring them under the RHCSA and RHCE program curriculum
Certifications: Red Hat Certified Specialist in Ansible, Virtualization, JBoss, OpenShift, OpenStack