SHRAVAN CHITPADY

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PROFESSIONAL WORK EXPERIENCE

Lowe's Services India Pvt. Ltd.

Lead Software Engineer [Carbon Compute Platform] [Full Time]

📅 August 2021 – Present [3.9 years] 📍 Bangalore, India

- Designed & developed modular API first Continuous-Delivery (CD) system using Go, Rust, ArgoCD, Plugins, goFiber, Protobuf, gRPC, Helm charts, PostgresDB, RedisDB, Backstage, Reactjs UI frameworks, GitOps model to deploy 15,000+ applications from 70+ teams to 1000+ clusters across various compute-platforms (on-premise, google cloud, edge, akamai CDN) bringing the entire Lowe's CD requirements under single roof.
- Built & setted-up secure sys-control on-premise environment using rancher RKE kubernetes cluster, Jenkins, jFrog, Ansible, Opened Firewalls, Calculated Subnets, HashiCorp Vault & ArgoCD to run database, telemetry, kafka & compute application workloads.

`GitOps` `Go` `Rust` `Istio` `Kubernetes` `Cloud` `CI/CD` `Operators`

Honeywell Technology Solutions Lab Pvt. Ltd.

Software Engineer II [Connected Enterprise] [Full Time]

📅 August 2017 – August 2021 [3.9 years] 📍 Bangalore, India

- Designed & developed advance search [defined query syntax, developed query parser, query validations, search suggestions, save & retrieve back search query], custom checkbox tree component, custom cell control for grid.
- Lead the team of 2 developers and was responsible for the end-to-end implementation of Enterprise Management Dashboard & Successfully delivered the project.
- Designed & developed initial working software prototype called WYSIWYG configuration builder with drag & drop capabilities using MongoDB, ST JSON template engine, NodeJs for REST API layer and middleware, ReactJs [Hooks], Redux, ES 6/7, Typescript, Lodash, SASS, SVG, Jest, React Testing Library (RTL) and Enzyme testing frameworks, which has automated the end-end configuration process and it potentially saved more than 10 resources of manual configuration efforts.
- Implemented & Delivered Plant Operations Health Dashboard using ReactJs, Typescript, Highcharts, added application level logging, used Micro-Frontend architecture, Lerna, Storybook, Java, SQL with 90%+ code coverage & automated unit test cases and integrated with API Gateway/middle-ware layer for authorization and successfully could able to deploy application to cloud native container based environments and legacy on-prem based environments with IE/Edge, Chrome, Firefox browser support.

`IoT` `IIoT` `Java` `ReactJs` `NodeJs` `HighchartJs` `Typescript` `.NET` `MongoDB` `JWT` `PostGRESQL` `JSON` `NPM/YARN` `Data Model` `HTML5` `SCSS` `CI/CD` `Docker` `Kubernetes` `JFrog` `Vault` `Agile`

Honeywell Technology Solutions Lab

Software Engineering Intern [Full Time]

📅 January 2017 – July 2017 [7 months] 📍 Bangalore, India

- Built a message broker system using RabbitMQ for downstream data coming from IIoT Plant sensors & configured, integrated with drools rule engine & apache spark to trigger events and consume messages from consumer queues and pushed them to HDFS & PostGRESql DB storage & solved various petrochemical business use-cases.

`Drools Rule Engine` `RabbitMQ` `Java` `Spark` `HDFS` `PostGRESQL`

EDUCATION

Bachelors of Technology in Computer Science & Engineering

Manipal Institute of Technology [Full Time]

📅 August 2013 – July 2017 📍 Manipal, India

ACHIEVEMENTS

- Top Performer - Outstanding Achiever Award.
- Lowe's Annual Champion Award 2024
- Lowe's Star Award – Carbon Compute Platform
- Honeywell Bravo Silver Award – Outstanding Job on first Configuration Builder software tool.
- Honeywell Bravo Bronze Award - Rapid deployment of unified builder tool.
- Honeywell Bravo Bronze Award - Great work on meeting the deadline for CPS Project.

CERTIFICATIONS

- CNCF Certified, Kubernetes Administrator.
- Oracle Certified, Java Standard Edition 6 Software professional.
- Lean Six Sigma Green Belt Certified Software Professional

SKILLS

Frontend Software Engineering
- ReactJs [Hooks], Redux, Typescript, ES 6/7, Javascript, HighCharts, Axios, Jest, Enzyme, HTML5, CSS3, XSRF, SVG, JSON, SASS, Cookies, Caching, Local Storage, Browser Accessibility, Lodash, PWA, Atomic Component Design, Mobile Responsive Design, UI Design System.
- Package Managers (npm, yarn), UI Component Dev Tools (Storybook, Lerna, Styleguidist), Build Tools (react-scripts, Webpack)

Backend Software Engineering
- NodeJs, Backstage, Middlewares, Java, Rust, Go (Go-lang), C#, ASP.Net Core 3.1, goFiber, Swagger, RESTful API, JSON, YAML, Protocol Buffers, gRPC, SSE, Microservice, Monolith, SOLID design patterns, OAuth & JWT.
- Relational (PostGRESQL, MS SQL), NoSQL (MongoDB, Redis, Ignite), Timeseries (Victoria)

Infrastructure Software Engineering
- Hashicorp Vault, ArgoCD, Argo Workflows, GitOps, Istio, Docker, Kubernetes, Operators, SDK, K8s Controllers, Rancher, CI/CD, Ansible, Terraform, Jenkins, RabbitMQ, NGINX, Packer, ELK, Proxmox Hypervisors (Currently learning)

Other Skills
- Git, Confluence, Jira, Excel, Agile, Leadership

LANGUAGES

English	Full Professional proficiency
Kannada	Native/bilingual proficiency

OTHER INTERESTS

`Badminton` `Chess` `Tabla` `Blogging`