

Suresh Kumar Reddy

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Summary

I specialize in architecting, building and deploying resilient web applications and identity solutions. My expertise spans front-end and back-end development, alongside AWS and Kubernetes deployment, with a strong focus on Identity and Access Management (IAM) solutions.

Projects

Food Lovers Database

- Food Lovers Database (FLDb) is a collection of food Vlogs from Food Lovers TV built using the MERN stack (MongoDB, ExpressJS, React and NodeJS) with usage of technologies such as TypeScript and NextJS
- This application helps users to find nearby restaurants that are reviewed by Food Lovers TV along with information such as restaurant ratings, operating hours, location, contact information etc.,

Certifications

AWS Certified Solutions Architect - Professional

AWS Certified DevOps Engineer - Professional

Education

CMR Institute of Technology

Bachelor's of Engineering
Information Science Engineering
Bengaluru • 2014 - 2018

Skills

Languages: TypeScript, JavaScript, Python, Java

Backend: NodeJS, ExpressJS, AWS, Docker, Kubernetes

Frontend: ReactJS, HTML, CSS

Experience

Ping Identity

Staff Software Engineer

Bengaluru

Jan 2023 - Present

- Architected & Delivered High-Impact Features:** Led end-to-end design and implementation for complex, customer-facing identity epics, including DaVinci SDK support for FIDO2 and social login (OAuth2/OIDC) components.
- Standardized API Architecture:** Designed and implemented core middlewares, DTOs, error class standardization and introduced HAL links for standardizing the API endpoints to comply with OpenAPI specifications.
- Innovation & Product Strategy:** Ideated and developed several award-winning prototypes including the "DaVinci Live Collaboration" (real-time, multi-user editing identity flow orchestration platform) and "Early access" (beta opt-in) features during the Hackathon. Successfully validated market need and garnered Product Management buy-in for future official roadmap integration
- Resolved Critical Customer Escalations:** Rapidly engineered a solution to expose execution IP and user agents in audit trails deployed across 20+ connectors, unblocking a major enterprise customer.
- Tech stack:** NodeJS, ExpressJS, ReactJS, TypeScript, Cassandra, Newrelic, Docker, Kubernetes, AWS

Cerner Healthcare (Oracle Health)

Software Engineer III

Bengaluru

Nov 2021 - Dec 2022

- Worked with cloud business office to build and enhance an internal web application to track, log and facilitate cloud requests from enterprise application teams
- Worked towards improving the user experience by re-designing the single sign-on (SSO) process, enhanced the code quality and reliability by implementing the test framework (react testing library)
- Used technologies such as React (with Material UI design), MobX, MySQL and AWS serverless architecture to run this web application

Thomson Reuters

Senior Cloud Engineer

Bengaluru

Jun 2018 - October 2021

- Worked with Enterprise AWS Landing Zone team to implement enterprise-specific cloud services
- Built RESTful APIs using Python with AWS serverless architecture (Lambda, API Gateway, Step Functions, DynamoDB etc.,) to provision AWS cloud access to application teams based on RBAC, ABAC policies of IAM
- Designed and developed automated pipelines to bootstrap the AWS accounts with services which aided in enforcing audit, monitoring and logging
- Hands on experience with setting up AWS cloud networking infrastructure comprising of VPCs, subnets, route tables, security groups, transit gateway, route53, EC2, launch templates, cloudwatch, cloudtrail, S3 etc.,