



## SUMMARY

Hands-on DevOps Architect with over 10 years' experience in architecting and implementing CI/CD for public and private clouds across EDA, RetailTech, FinTech, HealthTech, InsureTech, MarTech and OTT domains with focus on reliability, resiliency, cost optimization and on demand scaling.

**Differentiators:** Quick and self-learner. Out of the box thinker. Hits the ground running. Strong collaborator. Positive and assertive attitude. Strong understanding of Full stack software development.

## RECENT CERTIFICATIONS

Microsoft Certified: Azure AI Fundamentals (AI-900)

## RECENT EMPLOYMENTS

### Manager, Applications Development Engineering VIZIO Services LLC

Nov 2023 – Oct 2024, Addison, TX, USA

- Adeptly learned the entire Smart TV stack, including the device layer, platform layer, platform orchestration, Native UI framework, and a custom Chromium-based browser. Additionally, developed comprehensive learning materials to ensure rapid onboarding for new team members.
- Architected and Developed CI/CD pipeline using GitHub actions to prepare the build of TV app developed using Native UI framework, run the unit tests, SonarQube screening in dev environment before build. Also, implemented GitHub actions to promote the dev build to Stage and Prod S3 buckets on PR approval.
- Developed CI/CD pipeline using GitHub actions to prepare the build of TV payment modal app using VueJS, run the unit tests, SonarQube screening in dev environment before build. Also, implemented GitHub actions to promote the dev build to Stage and Prod S3 buckets on PR approval.
- Migrated legacy CircleCI workflows to GitHub actions for multiple projects.
- Maintained branch protection rules in GitHub repos. Also implemented GitHub to link JIRA issues to every commit, prepare and build the dependencies on post checkout of branch for consistent workplace.
- Fixed the issues in existing build and deployment pipeline for releasing the configuration to TV for picking up right TV apps.
- Architected and developed boilerplate to develop VIZIO apps using Native UI framework.
- Collaborated with Release management team on planning the release of completed features to production TVs across multiple SoCs.

### Solutions Architect | Client-Ford Motors Compunnel Software Group

Feb 2022 – Nov 2023, McKinney, TX, USA

- Quickly grasped the details and functioning of ECUs, CAN, remote diagnostics and cloud telemetry. Received appreciation for hitting the ground running.
- Architected solution for directed repair of DTCs, and, Managed the end to end delivery of this solution collaborating with cross-functional global teams across North America, effectively communicated project issues and status updates.
- Architected solution for transition of FCSD software from FlexLM based licensing to IAM RBAC based AA(authentication and authorization), and, Managed the end to end delivery of this solution collaborating with cross-functional global teams across North America, Europe, MEA and APAC, leading product demos and effectively communicated project issues and status updates.
- Defined user stories in Rally for implementation by product development team.

### Co-founder and Solution Architect Crisptag Technologies Private Limited

May 2018 – Oct 2021, Noida, India

- Co-founded and bootstrapped SaaS startup to build Product Information Manager (PIM) (crisptag™), E-commerce lifecycle management (10DigitAddress™) and business outreach (Chitti™) SaaS solutions. Defined product requirements, architecture, implementation and go to market roadmap
- Onboarded and mentored team of 20+ full-stack developers from the ground up for UI development using Vue/React, microservices with Node/Python/Go, and CI/CD pipelines using Azure Pipelines and Terraform in a containerized (Docker) environment.
- Prepared docker containers for smooth and consistent dev environments for developers.
- Architected and Developed pipeline to prepare the dev build of VueJS based frontend app, run UI unit test in dev build using Azure pipelines and promote them to S3 buckets for stage and prod environments.
- Architected and Developed pipeline to prepare the dev build of Python based microservices, run unit test in dev build using Azure pipelines and promote them to Kubernetes clusters for stage and prod environments.
- Enabled over 100 businesses and nonprofits to seamlessly adopt remote work environments and assisted 100 schools in setting up remote learning platforms during COVID-19. Leveraged Sales and Technology implementation expertise in Microsoft 365, Microsoft Intune, Azure AD, , Google Workspace, Zoom, Azure, GCP, AWS, Zoho CRM and Zoho Books, QuickBooks, Freshworks, HRMS and 100+ SaaS solutions for saasmart™, driving successful implementation and boosting sales through tailored technology solutions.

## OTHER RELEVANT ACCOMPLISHMENTS

- Consistently recognized for my ability to rapidly learn and deliver results across diverse domains, earning multiple commendations at leading organizations such as HARMAN, GLOBALFOUNDRIES, ST-Ericsson, AMD, Texas Instruments, and Virage Logic.
- Developed CI/CD pipelines using Jenkins, Azure Pipelines, GitHub Actions, CircleCI, Bash/Zsh/Tcsh shell Scripts for multiple projects at VIZIO, Ford Motors, ATCS, and Crisptag Technologies, GLOBALFOUNDRIES, Virage Logic, ARM and AMD
- Orchestrated AWS, Azure and GCP cloud infrastructures using Terraform, Ansible, OpenShift, Puppet and Chef at VIZIO, Ford Motors, ATCS, UnderArmour and Symitar at HARMAN and Crisptag Technologies
- Automated EDA design methodologies using Tcl/Tk, Perl, Python and JAVA AWT and Swing at Virage Logic, ARM and AMD
- Administrated Git, Perforce and CVS for code management and checks at GLOBALFOUNDRIES, Virage Logic, ARM and AMD
- Architected and Led a program with a team size of 16+ from inception to development, overseeing all stages of the migrating monolith NetStar Platform to MACH microservices based platform, and collaborating closely with business and cross-functional project teams for Mercedes-Benz USA at ATCS
- Architected and developed ETL process to migrate data from legacy on-prem monolith PostgreSQL to Amazon Aurora PostgreSQL for Mercedes-Benz USA at ATCS
- Architected migration of Solr based enterprise search to AWS OpenSearch based system for managing vehicle recall information for Mercedes-Benz USA at ATCS
- Managed project scope, schedules, while establishing key Performance Indicators (KPIs) to measure and monitor project progress, Collaborated in Scrum of Scrums and shared team progress, called out blockers, address impediments, resolve conflicts, and presented achieved milestones for Mercedes-Benz USA at ATCS, UHCSR, UnderArmour and Symitar at HARMAN
- Developed UI modules for UHCSR's claim portal, GE Medical's Patient Portal, Chase's Internet Banking module, Maritz's loyalty rewards portal for its clients using React, Angular, AngularJS, EmberJS, PolymerJS, jQuery, HTML5, CSS3, Saas, Less at HARMAN, PHOTON.
- Developed Hybrid mobile apps using Ionic 4, React Native and packaging Angular 2/4 and VueJS SPAs using Apache Cordova for Symitar at HARMAN, Nike and Maritz at PHOTON and Crisptag Technologies
- Designed REST, gRPC, SOAP API contracts for backend integration using OpenAPI, Swagger , Postman Enterprise and ReadyAPI at VIZIO, Ford Motors, ATCS, and Crisptag Technologies
- Implemented REST APIs using Python with FastAPI, Node.js with Express and Fastify, Rust with requests at VIZIO, Ford Motors, ATCS, and Crisptag Technologies.
- Integrated Salesforce, ZOHO CRM, ZOHO Books, QuickBooks using Microsoft Power Automate for building ERPs and billing systems for clients at Crisptag Technologies.
- Developed WebEx's notification module using AngularJS, Kafka, Apache Spark for CISCO at Capgemini India.
- Implemented datalake using AWS Kinesis, S3 Aurora at ATCS, and Crisptag Technologies
- Developed web-based dashboards using PHP, JSP and ASP at GLOBALFOUNDRIES, Virage Logic, ARM and AMD
- Mentored Algoji, The SolarLabs and Crescance as consulting engineering leader in building strong engineering team and improving their engineering practices.
- Architected SaaS solutions for managing FreeRADIUS to manage the wifi-networks.
- Developed modules of cloud telephony SaaS product to route the calls using FreeSwitch.

## EDUCATION

### Bachelor of Technology (Computer Science and Engineering)

Guru Gobind Singh Indraprastha University • Delhi, India • 2005

## TECHNICAL SKILLS

<b>UI Development:</b>	<b>TypeScript, JavaScript, HTML5, CSS3, Angular(v2,4,6,8,12,16), React, VueJs(v2.4,2.7,3), Svelte, Remix, Nuxt, Next.js, Sass, Less, Tailwind, Bootstrap, PHP (v3,4,5), JSP, ASP, Tcl/Tk and Qt</b>
<b>UX Prototyping:</b>	Sketch, Figma, Adobe XD, LucidDraw
<b>Backend development:</b>	<b>Python (v2.4,v2.7,v3) , Node(v12-22), Deno, Golang, Rust</b>
<b>System Integrations:</b>	<b>REST, RPC, gRPC, SOAP, IPC , Electronic Data Interchange (EDI)</b>
<b>AuthTech:</b>	OpenID Connect, OAuth2, FIDO, PassKeys. Ping Identity, Auth0
<b>Build and code packaging:</b>	Rollup, Webpack, Snaps, deb, rpms, Vite
<b>Infrastructure as Code:</b>	<b>Terraform, Puppet, Chef, Jenkins, GitHub Actions, Azure Pipelines, CircleCI , CloudFormation</b>
<b>Mobile app development:</b>	Ionic, Cordova, Capacitor, Flutter, React Native and Phonegap
<b>Cluster management:</b>	Kubernetes, Docker Swarm, Flowtracer, LSF
<b>Data Management:</b>	MySQL, PostgreSQL, SQLite, Apache Cassandra
<b>Big Data:</b>	Apache Hadoop, Spark, Flume, Datalake and data mesh, Elastic Search, PowerBI, Tableau and Sumologic
<b>Version Control Systems:</b>	<b>Git (GitHub Enterprise, Azure Repos, Bitbucket, Gitlab), Perforce, DesignSync</b>
<b>Generative AI:</b>	OpenAI, Claude, Pi and Gemini
<b>IoT systems:</b>	AWS IoT, Google IoT, Azure IoT, BLE, MQTT, LoRaWAN, Zigbee, Kafka