



SUMMARY

Hands-on Software Solution Architect with over 10 years' experience in architecting highly fault-tolerant, scalable, maintainable cloud native software solutions across EDA, RetailTech, FinTech, HealthTech, InsureTech, MarTech and OTT domains with focus on reliability, resiliency, cost optimization and on demand scaling. Proficient with MVC, MVVM, MACH architecture patterns

Differentiators: Quick and self-learner. Problem solver. Hits the ground running. Strong collaborator. Positive and assertive attitude. Strong understanding of Full stack software development. Project management using Rally, Azure Boards, Jira and Asana.

RECENT CERTIFICATIONS

Microsoft Certified: Azure AI Engineer Associate (AI-102)

Microsoft Certified: Azure AI Fundamentals (AI-900)

RECENT EMPLOYMENTS

Manager (eq. Staff Engineer), 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.
- Built and Managed 3+ members engineering team for development of apps for SVOD subscriptions and effectively communicated project issues and status updates to stakeholder TPMs and leadership. This effort required working with multiple teams in and/or across organizations.
- **Re-architected Companion library to decrease the load time from 7s to 2s and optimal deployment to 70+M TVs.**
- **Architected App Bundling feature**, Defined user stories in Jira, got signoff by Product owners and managed implementation by product development team. Collaborated with Data Analytics teams on designing Snowflake schema for viewer data and SumoLogic dashboards.
- Established the steps of SRS preparation and Figma prototypes between PRD signoff and Engineering design to resolve ambiguities and gaps in PRD.
- **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.
- Reviewed the code and unit tests developed by offshore team for feature completeness, adherence to coding practices and corner cases. Also, reviewed the code of lambda functions of upstream services for feature completeness.
- **Developed API contracts** for interface with upstream services.
- Developed Deno tasks to deploy the TV app in native UI framework to TV for testing, capturing logs
- **Implemented REST APIs using ExpressJS** to mock the endpoints.
- Developed boilerplate for VueJS based app to demo the VIZIO Account SVOD and TVOD purchase flow to prospective 3 party app developers
- Fixed bugs in TypeScript based Companion library
- Fixed bugs in React based payment test app.
- 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.
- Spearheaded the Agile transformation within the team, driving the adoption of best practices, tools, and metrics.
- Effectively communicated project issues and status updates in a concise, accurate, and professional manner, catering to the needs of senior leadership. Additionally, escalate blocking issues when necessary.

Core Skills: Project management using Jira, Technical leadership, NodeJS, ReactJS, Tailwind, VueJS, SvelteJS, UI Architecture and development, CI/CD setup using GitHub Actions, Terraform, DenoJS, TypeScript, REST API Design, AWS S3, Lambda functions, Sumologic dashboard design, Snowflake Data Lake schema design, Snaps, deb, rpms, Vite, Data governance.

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.

Core Skills: Project management using Rally, Technical leadership, NodeJS, Angular 12, UI Architecture, CI/CD setup using Jenkins, DenoJS, TypeScript, FlexLM License administration, REST and gRPC API Design, MQTT, Automotive Telemetry, JAVA SpringBoot, Data governance.

**Computer Systems Architect | Client: Mercedes Benz USA
ATCS Inc.**

Oct 2021– Feb 2022, Atlanta, USA

- **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.
- 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.
- Architected and developed ETL process to migrate data from legacy on-prem monolith PostgreSQL to Amazon Aurora PostgreSQL
- Architected migration of Solr based enterprise search to AWS OpenSearch based system for managing vehicle recall information

Core Skills: Project management using JIRA, Technical leadership, HTML5, CSS3, NodeJS, Angular 14, UI Architecture and development, CI/CD setup using Jenkins, REST API Design, Terraform, CloudFormation, Lambda functions, API Gateways, GraphQL Kafka, EC2, S3, RDS, Lambda, VPC, OpenSearch, Elasticsearch, ETL using Python

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 for Single Page Applications (SPA) and Hybrid mobile apps using Vue/React, microservices with Node/Python/Go, and CI/CD pipelines using Azure Pipelines and Terraform in a containerized (Docker) environment.
- Organized Scrum ceremonies, addressed impediments, resolved conflicts, and ensured product development as per Sprint plans.
- Managed product launch and scaled organization to 200+ clients, \$20M ARR
- 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.

Core Skills: Project management using Azure Boards and JIRA, Technical leadership, HTML5, CSS3, NodeJS, ReactJS, VueJS, Mobile app development using React Native, Flutter and Cordova, UI Architecture and development, CI/CD setup using Azure Pipelines, REST API Design, REST API implementation using Python, Go and NodeJS, SaaS integration, Azure Cognitive services, Google Cloud, Terraform, CloudFormation, CDNs (AWS CloudFront and Azure CDN), Lambda functions, API Gateways, GraphQL EC2, S3, RDS, Lambda, VPC, Kafka Adobe XD, OpenID Connect, OAuth2, EDI, Puppet, Chef, Rollup, Webpack, Kubernetes, Docker Swarm, Sass, Less, Bootstrap, Azure Repos

OTHER RELEVANT ACCOMPLISHMENTS (2005-2024)

- 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.
- 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, Under Armour and Symitar at HARMAN
- **Developed UI modules for Single Page Applications (SPA)** of 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
- 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 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, Under Armour and Symitar at HARMAN and Crisptag Technologies
- **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