AMIT GUPTA

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SUMMARY

Hands-on Engineering Manager with over 10 years' experience in managing, architecting highly fault-tolerant, scalable, maintainable monolith as well as cloud native software solutions and their DevOps across EDA, RetailTech, FinTech, HealthTech, InsureTech, MarTech and OTT domains with focus on reliability, resiliency, cost optimization and on demand scaling.

Differentiators: Quick learner and out of the box thinker. Strong understanding of Full stack software development. Strong Collaboration skills. Project management using Rally, Azure Boards, Jira and Asana.

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.
- 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.
- Architected AppBundling feature, Defined user stories in Jira, got signoff by Product owners and managed implementation by product development team. Additionally implemented modules using Native UI framework and fixed bugs onsite during QA readiness.
- Established the steps of SRS preparation and Figma prototypes between PRD signoff and Engineering design to resolve ambiguities and gaps in PRD.
- 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.
- Developed CI/CD Flow for VIZIO apps using Terraform and GitHub Actions for deployment to QA and stage environments.
- 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.

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, and, 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 built SaaS startup and built 20+ Full stack developer team from scratch for product development.
- Defined product requirements, implementation and go to market roadmap.
- Architected software solution and mentored developers in understanding the requirements, technologies and best practices.
- 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
- Developed CI/CD pipelines using Azure pipelines to deploy code to QA, Stage and Prod environments in Azure.

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.
- 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 migration of Solr based enterprise search to AWS OpenSearch based system for managing vehicle recall information for Mercede-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 Mercede-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 reqwests 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 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, GLOBALFOUDNRIES, 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 GLOBALFOUDNRIES, Virage Logic, ARM and AMD
- Developed web-based dashboards using PHP, JSP and ASP at GLOBALFOUDNRIES, Virage Logic, ARM and AMD
- Mentored Algoji, The SolarLabs and Crescerance as consulting engineering leader in building strong engineering team and improving their engineering practices.
- Built SaasMart™ as SaaS marketplace through reseller partnerships with Google, Microsoft, ZOOM, ZOHO, Asana, SalesForce and 200+ other SaaS startups.
- 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

Architectural patterns:	**MVC, MVVM, MACH**
UI Development:	**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**
UX Prototyping:	Sketch, Figma, Adobe XD, LucidDraw
Backend development:	**Python(v2.4,v2.7,v3) , Node(v12-22), Deno, Golang, Rust**
System Integrations:	**REST, RPC, gRPC, SOAP, IPC , EDI**
AuthTech:	OpenID Connect, OAuth2, FIDO, PassKeys
Build and code packaging:	Rollup, Webpack, Snaps, deb, rpms
Infrastructure as Code:	**Terraform, Puppet, Chef, Jenkins, GitHub Actions, Azure Pipelines, CircleCI , CloudFormation**
Mobile app development:	Ionic, Cordova, Capacitor, Flutter, React Native and Phonegap
Cloud platforms:	**AWS, Azure, GCP, Digital Ocean**
Cluster management:	Kubernetes, Docker Swarm, Flowtracer, LSF
Project Management:	**Jira, Rally, Azure Boards, Asana**
Data Management:	MySQL, PostgreSQL, SQLite, Apache Cassandra
Big Data:	Apache Hadoop, Spark, Flume, Datalake and data mesh, Elastic Search, PowerBI, Tableau and Sumologic
Version Control Systems: Git (GitHub Enterprise, Azure Repos, Bitbucket, Gitlab), Perforce, DesignSync	
Generative AI:	OpenAI, Claude, Pi and Gemini
IoT systems:	AWS IoT, Google IoT, Azure IoT, BLE, MQTT, LoRaWAN, Zigbee, Kafka