BALLA VAMSI SRINIVAS

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ENGINEERING MANAGER

Team Leadership | Solution Architecture | Product Development | Scalable Systems | Full Stack Engineering | Data Integration

Full Stack Developer & Solutions Architect with 13+ years of software development experience in Settlement administration, eCommerce, digital, licensing, and healthcare domains

Led architectural direction and technical execution across 30+ projects, driving scalable, high-performance solutions with reusable components and clean code practices | Managed and mentored teams of 25+, delivering 8+ complex, cross-functional projects on time | Championed AI-led innovation, transforming manual workflows into intelligent systems, from video processing to bot automation | Fostered a culture of collaboration, ownership, and continuous learning across globally distributed teams

Recognitions: Star of the Quarter (Feb 2024), Prime Player (Feb 2023), Above and Beyond (Sep 2020) – Qentelli | The Client Champion (Mar 2016), Stellar Award (Oct 2014) – Accenture | Out of Box Thinker & Bronze Award (May 2013), Top 10 Employee (Sep 2012) – Genpact

Design and deliver complex, cloud-native solutions using AWS and Azure to enhance product quality and scalability. Collaborate with stakeholders to gather requirements, define architecture, and build highly automated, secure infrastructures. Champion best practices to boost developer productivity and CI/CD efficiency. Mentor engineering teams, foster skill growth, and drive knowledge sharing. Well-versed in modern DevOps tools like Jenkins, Git, Ansible, and Terraform. Strong communicator with a focus on problem-solving, technical excellence, and continuous improvement.

KEY SKILLS

Technical Leadership | Team & Project Management | Requirement Analysis | Full Stack Development | Code & Performance Optimization | Cross-functional Collaboration | Quality Assurance | Scalable Architecture | Goal Setting & Mentorship | Stakeholder Communication

TECHNICAL SKILLS

Programming Languages:

C#, Python, Java, SQL, JavaScript, jQuery, HTML, CSS, XML

Databases and Warehouses:	MS SQL Server, MySQL, PostgreSQL, Snowflake, MongoDB
Monitoring tools:	DataDog, Azure App Insights, Kibana, Grafana
Reporting tools:	PowerBI, Looker, Tableau
Technologies and Frameworks:	.NET Framework, .NET Core, Docker, ASP.NET, MVC, Angular 15, Next JS, React JS, ELK, Airflow, Ansible, Terraform, Django, Flask, ADO.NET, AJAX, Crystal Reports, WCF, WPF, IIS, N Unit, LINQ, Web Services, SSIS
Cloud:	AWS, Azure
Cloud Services:	AWS Lambda, AWS S3, AWS SQS, AWS EC2, AWS ECS, CloudWatch, API GW, ALB, Azure Functions, Blob Storage, AKS (Kubernetes), Application Insights, Container Repository, Azure App Service, Azure SQL, Azure Data Factory, ADLS2
Methodologies:	Agile, Scrum, Waterfall, Test Driven Development

PROFESSIONAL EXPERIENCE

KROLL, HYDERABAD, INDIA | JANUARY 2025 – PRESENT

Engineering Manager - Web, Cloud & Full Stack | AWS & Azure Architect **| Jan 2025 – Present**

Led architecture, solutioning, and delivery of scalable, cloud-native systems by collaborating with Enterprise Architects, defining KPIs, and executing high-performance, resilient workflows.

- Led end-to-end delivery of a modern, cloud-native settlement administration platform, managing a cross-functional team of 12+ engineers across backend, frontend, and data workflows
- Architected and implemented a scalable claims processing pipeline using Apache Airflow and Python, with OCR-based automation via Tesseract for high-volume document ingestion
- Defined engineering KPIs and aligned delivery milestones with broader product goals, resulting in a 2-week acceleration in processing timelines
- Delivered 14+ modular components to streamline user submissions, admin workflows, and support operations

- Designed a self-service monitoring portal using NextJS, reducing support effort by ~3 hours per request and improving operational efficiency
- Enabled high availability through blue-green deployments using Kubernetes (AKS), supporting continuous delivery and zero-downtime releases
- Facilitated collaboration across product, QA, DevOps, and architecture teams to improve velocity, quality, and stakeholder alignment

QENTELLI, HYDERABAD, INDIA | MAY 2019 – JAN 2025

Architect | AWS and Azure Architect | Oct 2023 – Jan 2025

Proposing solutions, guiding architecture decisions, facilitating signoff from Enterprise Architects and ensuring seamless project delivery. Handling pre-processing, augmentation and generation of synthetic data.

- **Engaged in GenAI initiatives,** focused on creating automated solutions
- **Designed, developed & maintained generative AI models** using OpenAI GPT technologies
- **Implemented Natural Language Processing (NLP) techniques** for text parsing, sentiment analysis, and transformer models like GPT
- **Deployed machine learning (ML) techniques** to train AI models on large datasets for generating new, original content
- **Managed and optimized large language models (LLMs) for 3 applications,** ensuring high-quality content generation

Associate Architect | Apr 2021 – Sep 2023

Led team members, architected & developed Qhire. Engaged in architecture discussions with clients to identify problems & bottlenecks, providing practical solutions and preventive measures.

- **Identified redundancy in hiring process and recommended implementing Qhire (Recruitment portal),** which streamlined recruitment efforts, reduced time-to-hire, and improved overall efficiency
- **Directed 5-member team, handled client navigation portal,** and ensured prompt delivery
- **Transitioned 8 applications to .NET 6** and upgraded database from SQL to PostgreSQL
- **Developed new website using Squidex CMS platform,** resulting in more flexible & scalable content management system, which enhanced user experience, streamlined content updates, and improved overall website performance

Lead Developer | May 2019 – Mar 2021

- **Enabled multi-language support to site using i18n translation service in Angular** to convert previous multiple applications to single application, to handle regional clients; reduced maintenance risks and costs
- Communicated risk analyses for stories or issues during releases, keeping stakeholders informed of potential challenges and facilitating proactive mitigation strategies
- Enabled and guided team to learn latest technologies and upgrade skillsets

ACCENTURE, HYDERABAD, INDIA | JUL 2014 – MAY 2019

Senior Developer | Jan 2017 – May 2019

- **Eliminated 40% of management risk by creating customized ORM (Object Relation Model)** to handle multiple clients, resulting in improved data consistency, reduced errors, and more efficient management of client-specific requirements
- Worked with AI (Artificial Intelligence) team to get user-based suggestions, modified Python code, resulted in more accurate & relevant suggestions for users, enhancing user experience and engagement
- Centralized technical design, functional & handover documents and handled release activities with 27-member team

Developer | Jul 2014 – Dec 2016

- Led database migration with multiple teams, ensured smooth transition, minimized downtime, maintained data integrity, ultimately improving system performance & reliability
- Designed and developed routing application that automated database updating process, significantly reducing manual effort & minimizing errors, which led to faster data updates and improved accuracy in database management
- Implemented file management process and set up automated email notifications to keep business informed about status updates; reduced turnaround time by 2 days, improved overall efficiency in handling file-related tasks
- Developed automatic backup & deployment script for database, which ensured regular & reliable backups, enhanced data security, reduced manual intervention, resulting in increased operational efficiency and reduced downtime
- Implemented Accenture Single Sign-On (SSO) integration and dynamic sitemap that customized menu display based on user roles; enabled enhanced security, and more personalized user experience
- Modified an existing 3rd party JavaScript plugin to satisfy requirement and updated same to GitHub. Link: https://github.com/ballavamsi/jquery-ui-multiselect-widget-extended

GENPACT, HYDERABAD, INDIA | JAN 2012 – JUNE 2014

Software Engineer, Genpact, Hyderabad, India | Jan 2012 – Jun 2014

- ☐ Designed and developed 20 applications in coordination with multiple teams
- ☐ Migrated legacy Windows applications to web-based platforms by reverse-engineering existing software using decompiler, which made applications accessible through web browsers and improving usability & scalability
- ☐ Improved performance by 4 times by implementing new claim codes generation using SQL; led to faster processing times, reduced system load and increased overall user experience

Java Developer (Intern), Subject Box, Kurnool, Jul 2011 – Aug 2011

TECHNOLOGY MENTIONS AND PARTICIPATIONS

- Created an [EzeAPI,](#) less code platform, [WebsiteChangeTracker](#) Telegram bot and ORM library and published in [Github](#)
- Created a [flashsurvey website](#) with CI & CD using free open-source tools and deployed to Cloud
- Created an application for Code Bucket Challenge, conducted in Microsoft Project in Accenture; through the portal, user can select their level and answer questions
- Delivered technical talks on Generative AI, sharing insights, practical applications and highlight projects Chat DB and Chat Doc, showing real-world use cases

EDUCATION

B.Tech – Bachelor of Technology (Computer Science), Sri Krishnadevaraya University, 2011

Enclosed: List of current projects executed – Annexure

ANNEXURE

Kroll, Hyderabad, India | Jan 2025 – Present

Project: Kroll Settlement Administration Airflow (KSAFlow), Jan2025 onwards

Role: Engineering Manager, Architect & Full Stack Developer

Technologies: Python, Airflow, Tesseract, SQL, PostgreSQL, Azure Data Lake Storage Gen2

- ☐ Led a cross-functional engineering team to design and deliver a scalable claims processing pipeline using Airflow and Python
- ☐ Architected an OCR-based automation flow with Tesseract, accelerating document processing and improving data accuracy
- ☐ Reduced processing turnaround by 2 weeks through workflow optimization and task parallelization
- ☐ Established secure, cloud-native architecture on Azure for scalable and compliant data operations
- ☐ Defined engineering KPIs and aligned team delivery with broader business goals

Qentelli, Hyderabad, India | May 2019 – Jan 2025

Project: Kroll Settlement Administration (KSA), Jul 2023 onwards

Role: Engineering Manager, Architect & Full Stack Developer

Technologies: C# .NET 7, Python, NextJS, SQL, EF Core, Strapi CMS, AKS, AWS Lambda, Azure Data Factory

- ☐ Managed a hybrid team and delivered 14 backend and web modules to streamline claim submissions and admin workflows
- ☐ Integrated AWS SQS and Azure Data Factory for reliable, event-driven processing and ETL
- ☐ Developed a self-service monitoring portal using NextJS, reducing support load by 3 hours per ticket
- ☐ Implemented blue-green deployments in Kubernetes (AKS) for high availability and disaster recovery
- ☐ Led cross-team collaboration with product, QA, and infra for faster feedback loops and issue resolution

Project Redo GenAI, Aug 2023 – Apr 2024

Role: Engineering Manager, Architect & Full Stack Developer

Technologies: Python, Flask, Docker, GenAI, RabbitMQ, Power Automate, MySQL

- ☐ Spearheaded architecture and delivery of an AI-powered workflow assistant using WhisperX for audio-to-text conversion and diarization
- ☐ Used Generative AI to convert unstructured summaries into actionable steps via Power Automate
- ☐ Designed a queue-based task processor with RabbitMQ for scalable request handling
- ☐ Containerized the solution using Docker for streamlined deployment and versioning
- ☐ Tuned context prompts and embeddings to improve retrieval accuracy and end-user satisfaction

Project: Chat-DOC & Chat-DB, May 2023 – Aug 2023
Role: Architect & Full Stack Developer
Technologies: Python, Flask, GenAI, MySQL
- Designed and developed an AI-powered knowledge assistant to enable intelligent document querying using Retrieval-Augmented Generation (RAG)
- Implemented chunking logic and integrated ChatGPT APIs to store and retrieve vectorized documents for semantic search
- Built query-to-graph functionality using instruction-based prompts, auto-generating visual insights from structured data
- Developed a backend with Flask to securely process queries, execute dynamic SQL, and return real-time responses
- Optimized user experience and accuracy through contextual prompt engineering and query refinement

Project: Enterprise Library, Jan 2023 onwards
Role: Associate Architect & Full Stack Developer
Technologies: C#, Python .Net 8, Angular
- Led transformation initiative to establish unified standards across enterprise based on project requirements.
- Integrated critical enhancements, including Cron scheduling, SQS messaging, authentication mechanisms, and Content Management Systems (CMS)
- Strategized and executed seamless adoption of new functionalities with minimal disruption to ongoing operations
- Collaborated with cross-functional teams to improve existing capabilities within enterprise architecture
- Monitored performance and usability of updates, proactively addressing challenges to maintain high-quality standards

Project: CyberRisk 2.0, Jul 2022 – Jul 2023
Role: Associate Architect & Full Stack Developer
Technologies: C# .Net 6, Angular 12, SQL, EF Core, DB First, Squidex CMS, NoSQL, Python
- **Ensured successful** migration from MVC ASP.Net to .Net 6, Angular 5 to 14 with 3 member team
- Removed dependency of third-party libraries to increase project size and wrote in-house scripts for similar functionality

Project: Scrapy, Jul 2022 – Dec 2022
Role: Full Stack Developer
Technologies: Python, Django, MongoDB, Scrapy
- Created Django site, wrote scrapy jobs, added user authentication & background tasks to scrape websites
- Developed mechanism to manage and generate scripts in real-time for different websites

Project: Kroll Notification Navigator, Jun 2021 – Jul 2022
Role: Architect & Full Stack Developer
Technologies: C# .Net 5, Angular 12, SQL, EF Core, DB First, Squidex CMS, NoSQL, Python
- Led 4 member team, created Enterprise Angular Application and enhanced user flow by reducing number of clicks
- Designed Figma prototypes to clarify business flows, facilitating timely delivery of high-quality products
- Integrated Auth0 as authentication which became standard for other projects

Project: Q-Hire, Jan 2020 – Jun 2021
Role: Architect & Full Stack Developer
Technologies: .NET 5 & Web API, Angular 9, Docker, AWS, Node
- Handled end to end product development life cycle from conception till Go-Live; recognized as Q-Innovator
- Designed application architecture from scratch
- Designed database and collaborated with UX team to implement features

Project: Kroll Monitoring, May 2019 onwards
Role: Team Lead and Developer
Technologies: .NET Core 3.1 & Web API, Angular 6, Docker, AWS, Azure, RabbitMQ, Telerik
- Assigned tasks to the team and updated day to day tasks to Client scrum master
- Provided potential risk analysis on stories or issues
- Created angular components and wrote Web Apis
- Used i18n translation service in Angular to convert previous multiple applications to a single application, to handle regional clients
- Wrote Unit test cases for Web API and improved code coverage
- Improved performance of application by identifying bottlenecks
- Provided solutions to clients to improve product quality