



Vikram Bhat

Technical Manager

Total Experience: 10 Years



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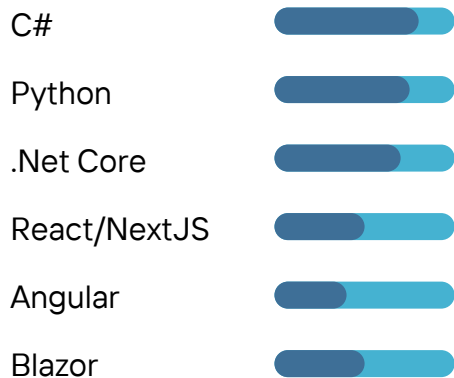
About Me

Professional with more than a decade of experience in software engineering, business application development and project management within diverse domains including high-speed data standards, power delivery standards, IoT standards and renewable energy.

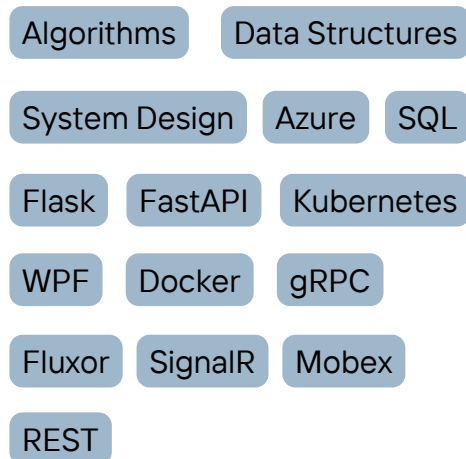
Career Objective

To secure a challenging role as an engineering manager in a dynamic organization that values innovation, creativity, and continuous learning. My goal is to utilize my technical skills, problem-solving abilities, and experience in software development to design and develop high-quality native and cloud solutions that meet the needs of users and exceed business goals.

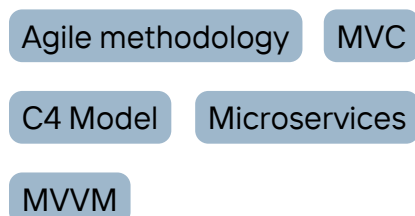
Technical Expertise



Skills / Exposure



Methodology / Approach



Work Experience



Prescinto Technologies, a leading clean energy SaaS Asset Performance Management (APM) solution that is purpose-built to improve asset generation

Technical Manager

August 2023 to Present

- Achieved a 30% cost reduction and elevated system reliability through the transition from a self-hosted VerneMQ MQTT broker to an Azure Event Grid MQTT-based data ingestion pipeline.
- Managed the migration of the database system from MySQL to PostgreSQL, resulting in cost savings and improved scalability.
- Developed a web-based dashboard to oversee the internal Kubernetes cluster and various Azure services, reducing licensing costs by 50% by removing dependency on external tools and enhancing integration with other in-house services.
- Transitioned from virtual machine (VM) based FTP to Azure SFTP servers for data processing pipeline for power station data, resulting in improved performance, enhanced reliability, and cost efficiency.
- Migrated the locally deployed power station data computation and aggregation tool to a cloud-based real-time data processing pipeline, enhancing scalability and user-friendliness.



Granite River Labs, a global firm specializing in engineering services and testing automation solutions for connectivity and charging

Software Development Manager

April 2019 to July 2023

- Managing a team of 18 engineers and am responsible for their mentorship, growth, performance evaluation and job satisfaction.
- Accelerated development of clients across multiple platform by switching over to gRP from REST
- Reduced cost of Wi-Fi end product certification by developing completed automated and simplified certification solution.
- Reduced test scripting efforts by ~50% by porting measurement validation logic into micro services and sharing them across multiple scripts and certification programs.
- Developed sandbox architecture for angular app, which helped speed up development time and improved maintainability by abstracting back-end data models from smart UI components.

Tools

Jenkins Git Structurizr

Jira Github Actions ESF

PlantUML Selenium ispirer

Icepanel Zoho

Education History

Bachelor of Engineering in Computer Science

Institution: Sambhram Institute of
Technology [VTU]
2009- 2013

Technical Lead

April 2018 to April 2019

- Developed an engine on the back-end to stream high speed data from firmware to UI, improving latency and memory consumption by 50%.
- Expanded customer base by upgrading GRL's existing line of products to be cross platform by porting existing solutions to .Net core.
- Led development of proprietary UI library to create reusable components that saved about 100 hours of development time across multiple projects.
- Reduced test setup time by developing back-end components to configure traffic filters on Thread nodes to setup network typologies.

Senior Software Engineer/Software Engineer

October 2013 to April 2018

- Developed automated data aggregation tool for in-house labs, that helped reduce turn around time for test reports by 100%.
- Improved responsiveness and loading time of UI by up-to 30%, by virtualization of data grid component.
- Reduced bugs and improved functionality by revising old code bases to modern development standards.

Key Projects

- **Cloud KPIs**
Cloud based real time data processing pipeline to aggregated and compute KPIs on power station data.
- **MQTT and FTP Data Ingestion Pipeline**
Transferred VM-based backend services to auto-scaling services operating on kubernetes clusters and azure managed services.
- **MYSQL to Postgre DB Migration**
Migrated application database from MYSQL to Postgre
- **Matter Certification Tool**
Open source tool developed by CSA members for official certification of matter protocol.
- **Wi-Fi Alliance Quick Track Test Tool**
Propitiatory tool developed to simplify and speed up Wi-Fi certification for end products.
- **Wi-SUN Test Bed Controller**
Propitiatory tool developed to support debug and testing of Wi-SUN development kits.
- **Thread Test Harness**
Official certification tool developed in collaboration with Thread group.
- **USB Power Delivery and Type-C Tester**
Automated test solution supporting all compliance test specifications for USB-PD.