SWARUP KUMAR
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GLOBAL SOFTWARE ENGINEERING LEADER

Expertise in delivering engineering and IT projects by scaling teams, ensuring timely delivery within budget and quality standards, and consistently driving customer value

PROFILE SUMMARY

Business Leadership
Delivery Management
Data Analytics & Business Intelligence
Budgeting & Resource Optimisation
Product Management
Digital Transformation
Software Process, Quality Management
Defect Resolution, Design Optimization
Operations Management

- Accomplished IT professional with 20+ years of diverse, cross-cultural experience in delivering Engineering and Business Software Solutions leveraging Java and related technologies
- Proven success in building and leading teams to design, develop, and deliver product releases for global clients across India, Germany, Switzerland, Japan, the US, and Vietnam, while ensuring **seamless collaboration** with international teams
- Skilled in overseeing the entire Software Product Development Lifecycle, including requirements analysis, POC creation, estimation preparation and review, code review, technical discussions, impact analysis, refactoring, deployment, and documentation
- Know-how of **product management** area by effective implementation of new features and leading new product initiatives
- Expertise in software methodologies like Agile-Kanban, Scrum and implementing **SAFe** (Scaled Agile Framework) for products towards **digital transformation**
- Passionate about *Data Science* and delivering the value added services around Big Data to customer with various business models incl. Data Visualization using Tableau
- Effectively managed post product launch operations by coming up with software maintenance plan and monitoring using KPI
- Skilled problem-solver and communicator with strong relationship management abilities, adept at building connections and collaborating with individuals at all levels

NOTABLE ACCOMPLISHMENTS ACROSS THE CAREER

Straumann Software Center India LLP (Straumann Group)
- **Scaled** up Scrum teams (from 1 to 7) within 5 months and improved the built-in quality of Java based platform solutions by **15%** considering coverage, cognitive complexity and security aspects
- Collaborated as a core team member in designing data lake, define ETL pipeline and create dashboards within 3 months
- Prioritized and **refined backlog** of *20 product features* / user stories for Europe region within 3 months
- Streamlined Problem resolution process covering 7 applications and 4 platform products across US, Europe and APAC

Robert BOSCH Engineering and Business Solutions
- Steered efforts in establishing **SaaS** concept, handling **IoT** device management and value-added services around **connected car (telematics)** product for 7 global key accounts value exceeding $50 Million
- *Established BOSCH Global Capability Center at Vietnam* and built second line of **4** Group Leaders and **12** Project Managers within 2 years and managing overall team size of 400+ associates
- Increased *customer satisfaction* by 6% within 2 years of successful delivery of 4 SW engineering projects for multiple global accounts
- Achieved cost savings of over $ 1.5 million through automation and infrastructure optimizations around Cloud components and license optimization, managed efficient FOTA (Firmware Over the Air) management for 99% of the campaigns
- Explored and conceptualised 2 innovative products (FMEA, Smart Presenter) with a potential of over $4 million within Bosch ASEAN region
- Lead proposals against 2 RFQs which resulted in entering non-automotive domain accounts (thermo-technology, power tools) worth over $3 Million
- Developed predictive analytical models to improve invention flow, resulting in a 50% increase in IP portfolio and a 25% faster response rate to stakeholders using the Kanban Agile framework
- Visualised Simulation roadmap (**automation**) of complex functions in automotive safety area within 6 months
- Implemented *predictive analytics* for early failure warnings in fuel injector pump with ~ 95% accuracy using *telematics data* and filed *Patent* (#202141049000) around the same
- Consistently achieved a defect-free delivery rate of over 90% across four platform projects, ensuring high-quality outcomes

Phoenix Global Solutions Ltd.
- Integrated Cold fusion & Java technologies for e-Learning projects in healthcare domain within short timeframe of 2 weeks

WORK EXPERIENCE

Since Jun 23: Senior Manager, Digital Transformation at Straumann Software Center India
Role:
- Support Lean Portfolio Management team in identifying development value streams in the Digital Dentistry
- Set up the Agile Release Train (ART) and oversee it's execution for both platform and applications with focus on Quality
- Participate in ART sync and coordinated the PI planning along with Business Owners and Product management team

Since Jul 03: Robert BOSCH Engineering and Business Solutions
Growth Path:
Jul 03 – Jun 11: Senior Project Manager, Bangalore, India
Jul 11 – May 15: Delivery Head – Software Engineering, Ho Chi Minh City, Vietnam
May 15 – May 23: Engineering Leader, Bangalore, India
Role:
- Synergizing with Product management team and service team for defining product vision and features
- Strategizing, developing and executing multi-year product roadmap
- Conceptualising and framing strategies for effective & efficient hiring and on-boarding
- Directing Project Management activities including project initiation, scoping, solution, estimation, project planning, risk management, resource staffing / management, account mining, solutions delivery and benefits tracking
- Front leading various projects and ensuring delivery of projects within the time & cost parameters with a high standard of quality; defining & initiating a strategy service offering for partners
- Managing data analysis and processing activities involving analyzing, studying and summarizing data for extracting useful information which would assist in strategic planning
- Involved in formulation, management and execution of multiple organization change management activities including: Identifying change requirements; defining change strategy and plan; organisation impact & change readiness assessment; risk assessment & action planning; communication interventions; stakeholder management
- Working closely with various teams across the company to identify and solve business challenges utilising large structured, semi-structured, and unstructured data in a distributed processing environment
- Interacting with client regularly on a day-to-day basis for all operational issues & performance management and conducting conference calls with the overseas client
- Empowering cross-functional team and encouraging out of box thinking, innovation and new ideas generation and subsequently providing resources and platform to people for implementation of new ideas & suggestions

Commenced career with Phoenix Global Solutions Ltd. (now TCS), Bangalore as Analyst (Nov 2000 – Jun 2003)
- Senior Java developer aiding e-Learning and insurance related IT solutions

CERTIFICATION
GitHub Foundation Certification in Jul-2024
SPC : **S**caled Agile Framework **P**ractice **C**onsultant since 24-Dec-2023
SRE : Measuring and Managing Reliability from GCP (via Cloudera) in Jun 2022
PMP : **P**roject **M**anagement **P**rofessional (Certified by PMI since Aug 2011, License no: 1451459)
SCJP : Sun Certified Java Programmer since Aug 2001

ACADEMIC DETAILS
- *Post Graduate* Program in Business Analytics and Business Intelligence from University of Texas-Austin in 2020
- *Senior Management Program* from *Indian Institute of Management*, Calcutta in 2018
- B.E. from Sri Jayachamarajendra College of Engineering, Mysore University in 2000

TECHNICAL SKILLS
- Java, Azure DevOps, Azure Data Factory, Confluence, JIRA, ServiceNow, Tableau, Python, AWS, SAFe framework

ACHIEVEMENTS

- *Patent* filed (#202141049488) at IPO on predicting remaining useful life and state of health for Li-ion batteries in Oct-2021
- Co-authored Vehicle Telematics use case analysis using IoT & Big data (Feb 2021) (published as internal paper in BOSCH world)
- Partnered with the Hochiminh city council and 2 Government Schools to execute 3R (Reduce- Reuse-Recycle) towards plastic usage and e Waste management and spent 1000 hours of volunteering effort
- Authored a white paper and offered solution on existing Hardware application at BOSCH Austria in 2010

PERSONAL DETAILS

Languages Known: English, Hindi, Kannada & German
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