Vivek Shivbachanprasad Gupta
Innovation and R&D Consultant
(AI/IoT/Robotics/AR/VR/Blockchain)

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Experienced Individual with a **_Decade of experience_** in KPI-driven scaling & managing innovation teams, Labs, projects and processes. I help corporates and startups find, test and validate their ideas in the area of IoT/Conversational AI/Blockchain/Robotics/AR/VR with Agile Methodology under a competitive budget.

CORE COMPETENCIES

Innovation Management | R&D | Design Sprints | Innovation Strategy | Engineering Management | Rapid Prototyping | Project Management | Pre-Sales Support | RFP

EXPERIENCE

Havells - Center for Research & Innovation (Bengaluru) - Feb 2023 - Present
Research Engineer and Innovation Lead -Conv AI/IoT/Robotics/AR

Here I primarily drive sensor-based automation & Innovation projects spanning in emerging technologies.

Day to Day responsibilities:
1. Led and conducted design sprints and fast-paced prototyping sessions.
2. Managing/hiring/defining/mentoring roles for/in the innovation team.
3. CoE for Sensor-based automation products & Innovation tracks.
4. Supervising & Managing innovation projects.
5. GTM and Market research for new & existing products.

This IS! Digital Media Group - Neoflux POD (Bengaluru) - March 2021 - Dec 2023
R&D and Innovation Lead-Conv AI/IoT/Robotics/Blockchain/AR/VR

Helped This is Digital Media Group! in scaling the innovation team from 1 to 9+, set up 3 innovation labs in India & Undertook 9+ clients(German) in the area of rapid prototyping and innovation consulting in wide domains including IoT, Robotics & Conversational AI under the span of 20 Months. Generated $3 Million in revenue.

Day to Day responsibilities:
1. Handling custom requirements/RFPs & Designing custom solutions under a competitive budget in the space of Innovation technology.
2. Led and conducted design sprints and fast-paced prototyping sessions.
3. Planning/Executing expansion strategy.
4. Managing/hiring/defining/mentoring roles for/in the innovation team.
5. CoE for AI/IoT/Robotics/AR/VR.
6. Partnering with vendors/3rd parties/consultants/colleges/Institutes for sourcing hardware and services.
7. Supervising & Managing ongoing client innovation projects.
8. Scouting/planning/setting up state-of-the-art satellite offices for the R&D team.

Major Clients - Westfallen, Protection One, Smart2Plan, Confidential Drone startup, Confidential custom AR glass startup, confidential Nigerian Smart meter startup

Cognizant Technology Solutions (Bengaluru) - Tech Lead at Digital Technology Office Conv AI/IoT/Blockchain/Robotics/AR/VR - Sep 2016 - Mar 2021

Helped DTO clients to test, validate and scale their ideas in the area of Conversational AI, IoT & Blockchain. Over 4 years, assisted in setting up 3 Digital Technology Office Labs, Created 200+ PoT, PoC, Prototypes and Production projects. Assisted design sprints with 2-day prototyping sessions across the US, Europe, the Middle East and India. Influenced $15 Million in revenue through PoC/PoT for multiple EAS teams.

Day to Day responsibilities:
1. Provide System Design/Architecture/Techstack for Projects.
2. Lead & Manage internal platforms along with client projects.
3. Product Engineering Management(Omnyx -CTS IOT Platform, Cognitive Recruiter - CTS Interview Platform) .
4. Lead innovation programs with clients for identifying and solving problem statements with internal tools, technologies and platforms.
5. Enable maker session events with clients for rapid prototyping and act as a catalyst for the next generation of projects.
6. Mentoring and training associates.

Major Clients - J&J, CVS, Thermofisher Scientific, Citigroup, Cummins, John Lewis & Partners, Oracle.

Lerema - Hardware Head- 2015-2016

Co-founded hardware startup with an international team and raised around $250,000 in grants for product development from Finland Oulu accelerator.

Part-time freelance (Prototyping engineer)- 2012-2015

I worked for multiple India-based organizations to develop prototypes in IoT & Webapps to support my education.

CERTIFICATIONS

Certified Design Sprint Master by AJ&Smart Company(Berlin) (Fast paced prototyping)

Innovation Management (University of Illinois at Urbana-Champaign) 7 course specialization - Coursera

Innovation Management (Rotterdam School of Management, Erasmus University) - Coursera

User Innovation & Entrepreneurship - MIT on Edx

EDUCATION

Government College of Engineering, Chandrapur - 2015 - Computer Science & Engineering(RTMNU)

Sri Sai Polytechnic, Chandrapur - 2012 - Computer Engineering(MSBTE)

SKILLS

1. Programming Languages - Nodejs, Python, Embedded C,
2. Web frameworks & libraries - Bootstrap, ejs, express
3. Database - MongoDB, Postgres
4. AI - NLP(Dialogflow, Lex, Alexa Skills Kit, Microsoft bot framework),
5. Cloud - AWS, Azure, GCP
6. IoT - Thingspeak, Adafruit, Aws IoT cloud, Microsoft Azure IoT cloud
7. Blockchain - Ethereum, hyperledger
8. Hardware - Mostly off-the-shelf boards(Arduino boards, Raspberry pi boards, Particle boards, Intel development kits, sensors & actuators), Zigbee, BLE, 2.4 GHz & 433 Mhz transceiver.
9. Tools - Photoshop, Premiere Pro, After Effects, Figma, Adobe XD, Unity, Fusion360, Eagle, Keyshot, MS office
10. Other - 3d Printing/processing, electromechanical design, Industrial design.