

# Anand Bhandari

CTO & SOLUTION ARCHITECT · FULL STACK DEVELOPER

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## PROFESSIONAL SUMMARY

To contribute 15+ years of experience in software development, technology leadership, and digital transformation by leading innovative projects in renewable energy, education, and scalable web platforms while driving organizational growth through modern cloud-based architectures and API integrations. Skilled in technology management, full-stack development (React, Next.js, TypeScript, Node.js, AWS), and AI/ML application development.

## TECHNICAL SKILLS

### PROGRAMMING & FRAMEWORKS

React, Next.js, TypeScript, JavaScript, Node.js, Express.js, Qwik, Redux, REST APIs, Tailwind CSS, Material UI, SASS/SCSS, React Native

### CLOUD, DEVOPS & INFRASTRUCTURE

Firebase, AWS, Google Cloud, DigitalOcean, Vercel, Docker, CI/CD, GitHub Actions, Microservices, PostgreSQL

### AI/ML & MODERN STACK

LLM Integration, RAG, Prompt Engineering, OpenAI API, Gemini AI, Vector Databases, AI Chatbot Development

### PLATFORMS & INTEGRATIONS

HubSpot API, Stripe, Twilio, SendGrid, WordPress REST API, Shopify, Respond.io

## EXPERIENCE

### Chief Technology Officer

Jan 2019 – Present

SOLS Energy, Malaysia

Lead all technology strategy and digital transformation initiatives.

- Architect and manage renewable energy web platforms and cloud infrastructure
- Spearheaded HubSpot API integration to enhance customer engagement and sales workflows
- Designed and deployed scalable systems using Next.js, Firebase, DigitalOcean, and cloud services
- Led development of mobile and PWA applications for real-time solar monitoring
- Managed and mentored a team of 20+ developers across multiple projects
- Oversaw CI/CD pipelines, DevOps processes, and system architecture decisions

### Chief Technology Officer

Jan 2021 – Present

SOLS Foundation (SOLS 24/7), Malaysia

Oversee all technical solutions and software process management.

- Design and maintain scalable education platforms and internal systems
- Lead API integrations to enhance software functionality and user experience
- Manage software lifecycle: development, testing, deployment, and maintenance
- Provide internal technical support and troubleshooting
- Lead and mentor development teams to ensure project delivery and quality standards

### **Team Lead — Software Development**

Jan 2019 – Jan 2021

SOLS 24/7, Malaysia

- Managed Android, Web, iOS, and Mobile development projects
- Led development of SOLS SMART, SOLS EDUCATION, and SOLS CLASSROOM platforms
- Provided internal software support and system optimization
- Managed API integrations and backend systems
- Supervised testing, deployment, and agile processes

### **Web & Mobile Developer**

Aug 2016 – Jul 2017

MINDIII Systems Pvt. Ltd., India

- Developed Android and web applications using RESTful APIs
- Implemented XML, JSON, HTTP-based communication protocols
- Designed intuitive Android UI and optimized performance
- Integrated cloud messaging APIs and push notifications
- Used Git for version control and collaborated in development teams

### **Software Developer**

Jan 2013 – Jul 2016

IBM, India

- Developed responsive web applications using Bootstrap and JavaScript frameworks
- Worked within IBM global teams under Agile methodologies
- Served as Scrum Master implementing agile practices
- Contributed to IBM Technology Adaptive Program (TAP)
- Coordinated with stakeholders for requirement analysis and delivery

### **Software Developer**

Dec 2011 – Dec 2012

ManpowerGroup, India

Websites and web applications with HTML5, CSS3, jQuery, WordPress.

### **Web Developer**

Jan 2009 – Jan 2011

myMO IT Solutions, India

Web development projects using HTML, CSS, jQuery, WordPress.

## **KEY PROJECTS**

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### **SOLS Energy**

Malaysia's leading residential solar platform — 2,600+ installations, 30+ MW. Full digital platform with solar panel design, installation booking, real-time energy monitoring PWA. HubSpot CRM, payment gateways, ChargeSingh EV portal. [solsenergy.com](http://solsenergy.com)

### **SOLS Green**

Green fintech platform — RM 0 upfront cost, 90% bill savings. Transparent pricing, zero-friction onboarding, instant solar financing. End-to-end customer journey with real-time status tracking. [sols.green](https://sols.green)

### **SOLS Foundation**

Digital ecosystem for Malaysia's tax-exempt non-profit — 4,000+ families served. Skills Hub, Solar Academy, TVET Academy with LMS. PWA. [sols.foundation](https://sols.foundation)

### **SOLS Edu**

E-learning PWA — 50K+ students, 4 languages (BM, Mandarin, Indonesian, Tamil). English, Digital Skills, Soft Skills. Cambridge English pathway. [solsedu.com](https://solsedu.com)

### **ACE — AI English Learning App**

AI-powered English learning for SPM exam excellence — 800K+ learners. React Native + web. Adaptive learning engine, mock exams, video lessons. [ace.solsedu.com](https://ace.solsedu.com)

### **SOLS 24/7 Ecosystem**

Managed entire tech ecosystem — SOLS SMART, SOLS EDUCATION, SOLS CLASSROOM apps and websites. 20+ developers, 5 apps built. React Native, CI/CD. [sols247.org](https://sols247.org)

### **LearnOye**

Full-stack learning platform for coding, tech, and AI — 10+ tech courses, 7+ content types. Video lessons, notebooks, quizzes, podcasts. PWA. [learnoye.com](https://learnoye.com)

### **NixBiz**

AI & tech tools directory — 500+ tools, MCP servers, developer utilities. Companion Android app. Updated daily. [nixbiz.com](https://nixbiz.com)

### **Daily GK News (Archived)**

Native Android app for GK and current affairs — 2M+ downloads. Go-to education app in India. Google Play Store, 2016.

### **Achievers Foundation**

Full website for coaching institute — CBSE/ICSE VII–XII, English speaking, Kids Academy, coding. Multi-region: India, UK, Dubai. [achieversfoundation.com](https://achieversfoundation.com)

## **CERTIFICATIONS**

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**GitHub CoPilot for Beginners** — Coursera

**Defending Against AI-Generated Attacks** — Codecademy

**Certified React Native Developer** — Udemy

**Certified Python Developer** — Udemy

**Machine Learning and Deep Learning** — Udemy

## **PERSONAL SKILLS**

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- Strong problem-solving abilities with analytical and structured thinking
- Advanced complex thinking for handling multi-layered technical challenges
- Solution-oriented mindset focused on practical and scalable outcomes
- Strategic decision-making under pressure
- Leadership and team mentoring capability

- Adaptability to emerging technologies and fast-changing environments

## EDUCATION

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**Bachelor of Engineering**

2007 – 2011

Rajiv Gandhi Technical University

## REFERENCES

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**Ash Luques** — SOLS Energy, Malaysia