

Bhavin K Padhiyar

Principal Engineer, Product Design, UI/UX Architecture, User Advocate

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Strategic Design Leader and Product Architect with 23+ years of experience transforming complex technical ecosystems into high-impact digital products. Proven track record of scaling robust design systems, aligning cross-functional engineering and business teams, and delivering user-centered architectures that drive revenue, adoption, and operational velocity.

Core Competencies

- **Design Systems & Architecture:** Design system governance, cross-platform component libraries, design token architecture, interaction design, information Core Competencies, design-to-code alignment, information architecture.
- **AI-Driven Product Design:** Rapid AI prototyping, LLM-assisted user research synthesis, prompt-driven UI iterations, automated handoff pipelines.
- **Product Strategy & Discovery:** Usability testing, heuristic evaluations, workshop facilitation, engineering alignment, stakeholder communication.

Tools & Ecosystem

- **Design & Development:** Figma, Axure, Sketch, Rive, Adobe Creative Suite, Miro, Google Stitch, Pen.Dev, Android Studio, VS Code
- **AI Ecosystem:** Claude, Gemini, OpenAI, Google AI Studio, Lovable, Figma Make, Gemini Notebook
- **Implementation:** HTML5, CSS3, JavaScript, TypeScript, Flutter, Android, Java, Dart

Impact

- **Accelerated Dev Velocity:** Developed custom AI metadata plugins, establishing an agentic design-to-code pipeline that condensed a 2-week handoff cycle into a 2-day rapid deployment window.
- **Accelerated Delivery Cycles:** Integrated generative AI tools (Claude, Gemini, Lovable) across the UX workflow, slashing research synthesis time and streamlining design-to-code translation.
- **Scaled Design System Adoption:** Architected multi-platform design systems with robust component libraries, cutting engineering rework and ensuring brand cohesion across digital products.
- **De-risked Product Roadmaps:** Engineered interactive, high-fidelity prototypes that combined heuristic analysis with usability testing to validate critical flows before engineering sprints.



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Professional Experience



Cambium Networks

Principal Engineer Sep 2014 – Sep 2026

- Founding member of cnMaestro, Cambium's cloud-based network management platform.
- Designed and governed the Cambium Design System (CDS) across multiple products and teams.
- Led UX and product design for cnMaestro, LinkPlanner, Installer App, MDU Solutions, Subscriber App, Analytics, and Application Visibility.
- Designed complex workflows for network and device management, wireless planning, monitoring, analytics, application visibility, and subscriber management.
- Led the end-to-end design process from user research and workflow definition to wireframes, high-fidelity UI, prototyping, and engineering implementation.
- Collaborated closely with product managers, engineers, network experts, customers, and stakeholders to simplify complex networking products and workflows.



eSync Training

Products Designer Jan 2013 – Sep 2014

- Designed and developed Edugame Cloud and multiple Learning Management Systems (LMS).
- Designed gamification-based learning experiences and interactive educational platforms.
- Led a team of 10 developers, coordinating product design and technical implementation.



Motorola Solutions

Tech Lead Jan 2011 – Jan 2013

- Led the design and technical development of Wing, a device and network management solution.
- Designed device management, configuration, monitoring, and network administration workflows.
- Translated complex networking and technical requirements into simple, intuitive product experiences.
- Collaborated with engineering and business stakeholders from concept and solution definition through implementation.



Zensar

Solution Architect Sep 2008 – May 2010

- Designed and architected content management systems, publishing workflows, and content delivery platforms.
- Led a 22-member development team, providing technical and architectural direction.

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SAP

Principle Solution Consultant Sep 2007 - Sep 2008

- Designed SAP's custom Presentation Framework and multiple custom solution applications.
- Contributed to requirements gathering, solution design, prototyping, customer demonstrations, and presales activities.



Gateway Technolabs

Tech Lead Apr 2005 - Sep 2007

- Led the design and development of a contingency planner application.
- Designed multimedia and video/content platforms, including a YouTube-like platform.



Brain Stream Australia

Sr. Software Developer Jan 2003 - May 2005

- Designed and developed B2B marketplace applications, working across product functionality, architecture, and software development.

Certifications



Google AI Specialization
Google via Coursera



Certified Usability Analyst
Human Factors International



UX Design Professional Certificate
Google via Coursera



Flutter Development with Dart
Udemy

Education

Diploma in computer application with distinction grade

Accomplishments

- Innovator award at Cambium Networks
- Star Award & spot awards at Cambium Networks
- One of the speakers at Adobe Flash Summit 2011
- Spot prize in "skinToWin" contest hosted by Adobe

Personal

Age: 43 Years

Languages: English, Hindi, Gujarati

Location: Ahmedabad, India