

SHUBHAM NARKHEDA



"I build scalable end-to-end web applications."

SUMMARY

Frontend Developer with 6+ years of experience delivering complex, responsive, and high-performance web applications for global organizations such as Bosch and Amazon. Specialized in TypeScript, modern JavaScript (ES6+), Angular, React, and Vue, with a strong track record of transforming UI/UX designs and Customer Journey (CJ) requirements into scalable, cross-browser compatible solutions. Experienced in building reusable UI components, integrating REST/SOAP APIs, optimizing frontend performance, and ensuring application quality through E2E, integration, and module testing using tools like Playwright. Proven collaborator working closely with product owners, UI/UX designers, backend developers, and solution architects in Agile/DevOps environments.

CONTACT DETAILS

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EXPERTISE

- Full Stack Development
- UX Product Designing
- DevOps Tools & CI/CD
- Automation Testing

EXPERIENCE

Software Developer in DevOps 07/2022 – Present
Robert Bosch GmbH Stuttgart-Feuerbach, Germany

- Designed and developed responsive Angular applications for sales and engineering platforms, translating UI/UX designs and Customer Journey (CJ) requirements into intuitive, high-usage user interfaces.
- Delivered full-stack features by integrating Angular frontends with backend services (REST/SOAP), ensuring reliable data flow and scalable application behavior.
- Built reusable UI components built and applied design system standards to ensure consistency, scalability, and maintainability across applications.
- Implemented automated module, integration, and end-to-end (E2E) tests using Playwright, improving test pass rates to 95% and reducing production bugs by 20%.
- Reliable frontend delivery by integrating applications into CI/CD pipelines with automated testing and quality checks in DevOps environments.
- Collaborated closely with product owners, UI/UX designers, backend developers, and solution architects to deliver features end-to-end and reduce time-to-market from 12 weeks to 8 weeks (-35%).
- Mentored 20+ engineers on full-stack development practices, CI/CD workflows, and infrastructure-as-code (IaC) automation, improving delivery quality and team productivity.

Software Developer 09/2020 – 06/2022
Bosch Rexroth AG Ulm, Germany

- Delivered full-stack web applications using Angular, building data-driven platforms that improved transparency and increased sales efficiency by 16%.
- Migrated cloud infrastructure from Bosch IoT, Lamp server to Azure, enhancing scalability, security, and cost efficiency while establishing CI/CD pipelines on Azure DevOps.
- Integrated REST and SOAP APIs into Angular frontends to enable new sales and partner features, expanding application capabilities and supporting wider adoption by global partners.
- Aligned technical delivery with business goals through effective requirements gathering and collaboration with senior stakeholders.
- Delivered responsive support and rapid bug fixes for critical business modules, minimizing downtime and ensuring continuity for global operations.
- **Achievements:**
 - Led technology upgrade initiatives that reduced server costs by 40% and significantly improved application reliability.
 - On-boarded 100+ global partners, cutting onboarding time from 2 weeks to 3 days.
 - Built video-conferencing integration used by 600+ partners, increasing remote sales meetings by 40%.

Software Developer - Master Thesis 04/2020 – 08/2020
Bosch Rexroth AG Ulm, Germany

- Topic: Development of an Application Product Selector(APS) of Mobile Machinery for Sales Partners.
- Engineered Angular-based Application PS with MVVM architecture and ASP.NET Core backend for product selection.
- Created a centralized tool integrating SAP, 3D assets, and competitor analysis to improve sales partners' product recommendation accuracy.
- Implemented Git branching workflows and peer code review practices across development teams.
- Conducted iterative user testing and requirements analysis with management and sales teams.

- **Achievements:**
 - Automated config generation, reducing engineer effort by 4 hours per week.
 - Contributed to measurable market sales growth by simplifying application discovery and product recommendation for partners.
 - Enabled sales partners to navigate multiple applications, improving adoption and contributing to measurable market sales growth.

LANGUAGES

- English - Fluent
- German - Intermediate B1
- Hindi - Native
- Marathi - Mother tongue

SKILLS

- Frontend Development:** JavaScript (ES6+), TypeScript, HTML5, CSS3/SCSS, Angular, React.js, Vue.js, Component-Based Architecture, Responsive Design
- UI/UX Design Systems:** Figma, UI/UX Implementation, Customer Journey (CJ)-based Design, Reusable UI Components, Design Systems, Material UI, Bootstrap, Tailwind CSS, Wireframing, Prototyping
- API Integration Frontend Architecture:** REST APIs, SOAP APIs, Frontend-Backend Integration, State Management, Data-Driven UI
- Testing Code Quality:** Playwright (E2E), Module Integration Testing, Manual Testing, A/B Testing, Debugging, Code Reviews, Coding Standards
- Tooling Build Systems:** Git (Version Control), Vite, VitePress, Webpack (usage), npm
- DevOps CI/CD (Supporting):** CI/CD Pipelines, GitHub Actions, Jenkins, Azure DevOps, Docker, Grafana
- Collaboration Agile Practices:** Cross-Functional Collaboration, Agile/Scrum, Jira, Confluence, Kanban

CERTIFICATIONS

- Introduction to Project Management
 - AWS Fundamentals Specialization
 - AWS: Building Serverless Application
 - Python for Data Science
 - Introduction to Data Science
- For More: <https://tinyurl.com/1000cert>

PERSONAL PASSIONS

- AI Tools Exploration
- Books Reading & Reviews Writing
- UX/UI Designing & Prototyping
- Online Learning & Certifications
- Knowledge Summarization

LIFE BEYOND WORK

- Team Events Organizing
- Art (Sketching & Painting)
- Fitness (Workout, Yoga)

Software Developer - Associate

Amazon

04/2019 – 03/2020

Leipzig, Germany

- Developed scalable internal tools using Java, Spring Boot, Kotlin, and TypeScript, optimizing business processes and reducing manual efforts by 30%.
- Collaborated with cross-functional teams, UX designers, product managers, and engineers to define product scope and deliver high-impact, production-ready solutions.
- Engineered reliable, testable code and actively led code reviews, enhancing application stability, maintainability, and team delivery standards.
- Gained expertise in the latest technologies while improving internal workflows and delivering high-performance software solutions.
- Achievements:**
 - Built Amazon-scale tools to improve scalability by 40%, enhance stability, and boost performance by 30%.
 - Developed and maintained high-quality code that reduced bug incidents by 20% through GitOps practices.
 - Contributed to 10+ Agile development cycles, accelerating delivery by 25% and improving system performance by 15%.

EDUCATION

M.Sc. Automotive Software Engineer

Technical University of Chemnitz

10/2018 - 08/2020

Chemnitz, Germany

Grade: 1.7/5.0

B.E. Computer Science and Engineering

R.T.M.N.U Nagpur University

06/2014 - 05/2018

Nagpur, India

Grade: 8.4/10 ≈ German: 1.75/5.0

INTERNSHIPS

Web Design & Development Trainer

Arena Animation

04/2018 – 09/2018

Nagpur, India

- Delivered comprehensive training on modern web technologies, including HTML5, CSS3, Bootstrap, JavaScript, PHP, WordPress, and Firebase.
- Conducted in-depth modules on UI/UX principles, prototyping, and responsive design, enabling students to build intuitive and user-focused web interfaces.
- Mentored over 30 students in developing real-world web projects, improving their design thinking and problem-solving skills.
- Managed academic transition and visa process for relocation from India to Germany for master's studies.

Full-Stack Developer (Part-time)

IT-Networkz Infosystems Pvt. Ltd.

07/2017 – 02/2018

Nagpur, India

- Built and launched "Food on Phone System," an online food ordering portal, leading to a 40% boost in initial user engagement.
- Utilized full-stack technologies (Java, JDBC, MySQL, HTML5, JavaScript, Bootstrap) to deliver full-stack solutions within aggressive project timelines.

Java Developer Intern

Paarsh Touch Software Solutions

09/2016 – 03/2017

Nagpur, India

- Engineered server-side applications with Servlets, JDBC, and Tomcat, supporting secure data processing for 3 client contracts.
- Managed hosting and real-time database integration using Firebase, enabling client-side analytics and reducing downtime incidents.

Web Developer & UI/UX Intern

Paarsh Touch Software Solutions

02/2016 – 08/2016

Nagpur, India

- Designed and developed responsive websites and web applications using HTML5, CSS3, Bootstrap, and JavaScript, improving mobile accessibility by 50%.
- Delivered UI/UX enhancements guided by user feedback, increasing client satisfaction ratings by 25%.
- Customized WordPress and PHP5 implementations for rapid website launches, supporting client brands.