

# Shubham Narkhede



"I automate today to accelerate tomorrow."

## SUMMARY

Full-Stack Software Developer in DevOps with 6.5 years of experience building reliable, secure, and scalable software solutions. Skilled in JavaScript and TypeScript frameworks, Docker, Kubernetes, AWS, and Azure. Experienced in managing end-to-end projects from design and development to testing and deployment while delivering intuitive, high-performance applications for products, sales, and e-commerce. Passionate about creating bold innovations that power real business growth and long-term success.

## CONTACT DETAILS

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## EXPERTISE

- Full Stack Development
- UX Product Designing
- DevOps Tools & CI/CD
- Automation Testing
- Cross Functional Collaboration
- Security & Authentication
- Digital Transformation

## EXPERIENCE

### DevOps Software Engineer Robert Bosch GmbH

Stuttgart-Feuerbach, Germany  
07/2022 – Present

- Architecting and implementing CI/CD pipelines using Jenkins, GitLab CI, and GitHub Actions.
- Leveraging Docker containerization to enhance developer productivity by 30% and achieve 20% server consolidation.
- Integrating automated testing into CI/CD pipelines, reducing production bugs by 15–25% and improving test pass rates to 95%.
- Mentoring 20+ junior engineers on DevOps best practices, Infrastructure as Code (IaC), and automation techniques.
- Collaborating with development, QA, and operations teams to streamline the SDLC, reducing time-to-market by 35%.
- **Achievements:**
  - Reducing deployment time by 40–75% and increasing release cycles.
  - Designing and maintaining automated build and deployment pipelines across 30+ microservices, accelerating software delivery cycles by 50%.
  - Migrating 18–50+ microservices from monolithic architecture to containerized environments using Docker and Kubernetes.
  - Developing real-time monitoring solutions using Grafana, identifying and resolving performance bottlenecks 70% faster.

### Software Developer Bosch Rexroth AG

Ulm, Germany  
09/2020 – 06/2022

- Led full-stack web development with Angular, delivering data-driven platforms that improved transparency and boosted 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 various APIs (REST, SOAP) to enable new business functionalities and increase application capabilities.
- 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:**
  - Drove technology revamp initiatives, resulting in a 40% reduction in server costs and a conspicuous increase in application reliability.
  - Onboarded and provided technical support for 100+ global sales partners and engineers, boosting digital adoption and increasing daily productivity by 23
  - Enabled seamless remote engagement and real-time interaction for over 600 partners worldwide, strengthening global distribution networks.

### Software Developer - Associate Amazon

Leipzig, Germany  
04/2019 – 06/2020

- Developed scalable internal tools using Java, Spring Boot, Kotlin, and TypeScript, optimizing business processes and increasing operational efficiency 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 robust, amenable code and actively led code reviews, enhancing application stability, maintainability, and team delivery standards.
- Gained expertise in cutting-edge technologies while improving internal workflows and delivering high-performance software solutions.
- **Achievements:**
  - Designed and implemented tools at Amazon scale, boosting operational efficiency by 30%, scalability by 40%, and architecture stability.
  - Developed and maintained high-quality code that reduced bug incidents by 20% through robust OOP practices.
  - Contributed to 10+ Agile development cycles, accelerating delivery by 25% and improving system performance by 15%.

## LANGUAGES

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

## SKILLS

- **Frontend:** JavaScript, TypeScript, HTML5, CSS3, Dart, Angular, Vue.js, React.js, Next.js, Flutter, Material UI
- **Backend:** Java, Kotlin, PHP, Python, C++, C, Node.js, Express.js, Spring Boot, .NET, MySQL, MongoDB, SQL
- **Designer:** Figma, Sketch, Adobe XD, Balsamiq, Canva, Miro, Notion, Wireframing, Prototyping
- **Testing:** Playwright, Postman, Swagger/Open API, SoapUI, GraphQL, Manual Testing
- **DevOps:** GitHub, Docker, Jenkins, Azure DevOps, CI/CD Pipelines, Maven, Grafana, Nginx, IAM (SSO, OpenID, SKID)
- **Documentation:** JIRA, Confluence, Kanban, arc42, Docusaurus, VitePress

## CERTIFICATIONS

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

## PERSONAL PASSIONS

- Technical Writing & Blogging
- 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 & Line Art)
- Fitness (Workout, Yoga)
- Travelling & Exploring Cultures
- Sports & Activities
- Photography & Nature Exploration
- Musical Instrument Playing

## EDUCATION

**M.Sc. Automotive Software Engineer**  
**Technical University of Chemnitz**  
*Grade: 1.7/5.0*

*Chemnitz, Germany*  
*10/2018 - 08/2020*

**B.E. Computer Science and Engineering**  
**R.T.M.N.U Nagpur University**  
*Grade: 8.4/10 ≈ German: 1.75/5.0*

*Nagpur, India*  
*06/2014 - 05/2018*

## INTERNSHIPS

**Web Design & Development Trainer**  
**Arena Animation**

*Nagpur, India*  
*04/2018 - 09/2018*

- Delivered comprehensive training on modern web technologies including HTML5, CSS3, Bootstrap, JavaScript, PHP, WordPress, and Firebase.
- Designed and taught modules on UI/UX principles, prototyping, and responsive design to help students create user-friendly web interfaces.
- Mentored over 30 students in developing real-world web projects, improving their design thinking and problem-solving skills.
- Prepared for professional and cultural transition to Germany, ensuring a smooth integration into the academic and work environment.

**Full-Stack Developer (Part-time)**  
**IT-Networkz Infosystems Pvt. Ltd.**

*Nagpur, India*  
*07/2017 - 02/2018*

- 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 end-to-end solutions within aggressive project timelines.

**Java Developer Intern**  
**Paarsh Touch Software Solutions**

*Nagpur, India*  
*09/2016 - 03/2017*

- 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**

*Nagpur, India*  
*02/2016 - 08/2016*

- 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 6+ client brands.

## PROJECTS

**Automotive System Selector for Mobile Machinery**

*Master Thesis*

- Developed a centralized business application leveraging MBaaS, ReactJS, NodeJS, MongoDB, Power BI, RESTful APIs, CI/CD pipelines, and Azure Cloud, automating manual processes to enable engineers to generate complete machine configurations, improve operational efficiency, reduce process time, and drive profitability in sales.

**Personalize Search Engine by Server-Side Cache Approach** *Bachelor Thesis*

- Developed a personalized web search engine using server-side caching, Java JSP, XHTML, CSS3, and JSON-based APIs, delivering faster, user-specific search results by analyzing user behavior and previous search patterns.