DHRUV CHAUHAN

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Technical Architect | AWS Certified | UX Design | DevSecOps

19+ years of experience

- ✓ Application Architecture & Design
- ✓ App Performance & Optimization
- ✓ Micro-Frontend Architecture
- ✓ DevSecOps Practices
- ✓ User Experience Design

- ✓ Cloud Development
- ✓ Code Design & Architectural Reviews
- ✓ Project Planning & Estimation
- ✓ Stakeholder Collaboration
- ✓ Usability and Accessibility

- ✓ Application Security
- ✓ Release Management
- ✓ Architecture Decision-Making
- ✓ Technical Leadership
- ✓ Sustainable development

Leadership exposure in architecture and design, specializing in frontend technologies, DevOps, and managing global teams to foster collaboration and deliver impactful results.

Excellent team player with an analytical bent of mind, and effectively managing large-scale project portfolios, proposing innovative strategies to minimize development time and enhance product value.

Experience in turning ideas/business requirements into prototyping. Focusing on usability, accessibility and great user experience, collaborating with stakeholders, developers and PO/PM for feedback incorporations.

❑ PROFESSIONAL SUMMARY

- Proficient in **micro-frontend architecture, app modernization**, **atomic design**, component-based architecture, **microservices**, and cloud development with a focus on **DevOps practices** like Continuous Integration/Continuous Delivery using GitHub Actions, Gitlab Pipelines, Jenkins etc.
- **Strong advocate for best practices in software development**, including agility, clean code practices, automated testing strategies and continuous integration/continuous delivery.
- **Proven track record of leading cross-functional teams globally** in delivering innovative solutions while optimizing processes and enhancing code quality and performance.
- Extensive experience in **frontend development with taste of backend, UX Design and engineering management**. Designing and implementing **scalable**, **high-performance**, maintainable applications using modern JavaScript frameworks such as Angular, React, and Polymer (now Lit Elements) etc.
- Skilled in mentoring and developing talent, **fostering a culture of collaboration**, aligning technical strategies with business goals, ensuring successful project delivery, and enhancing user experiences through responsive and accessible design, and driving organizational growth.
- Strong communication, interpersonal, presentation, coordination, people management, and leadership skills while working with people at all levels.
- Novice Designer with good understanding of usability and accessibility with good experience in using tools like Figma, Invision etc.
- **Generative AI Enthusiast,** consistently exploring new tools, mastering techniques, and staying updated with advancements, demonstrating a strong commitment to continuous learning. **Leveraging AI and Automation tools** like Make.com & Vapi.ai for workflow automations.

❑ CAREER HIGHLIGHTS

- Implemented eco-friendly coding practices and infrastructure optimizations, achieving a **20% reduction in energy consumption**.
- Improved application performance by over 70%, reducing initial page load time to under 2 seconds. Analysed latency and bundle sizes, **achieving a 25-30% reduction** in bundle sizes using AppDynamics and Tableau.
- Implemented observability frameworks using **Prometheus**, **Grafana**, and **ELK stack**, decreasing MTTR (Mean Time to Recovery) by 50%.
- Played a key role in DevSecOps adoption by embedding security checks into the CI/CD pipeline, reducing vulnerability exposure early in the dev lifecycle.
- Enhanced user experience with standard design system resulting in **25% boost in user engagement** metrics.
- **Reduced deployment time by 90%** and increased release frequency by 200% using GitHub Actions.
- **Ensured compliance with** OWASP guidelines by implementing SAST/DAST and Cisco Masking Tool, enhancing **application security confidence by 90%**.

- **Boosted code coverage and application performance** through a two-step approach. Increased **coverage to over 95%** by developing unit tests and mentoring the team on unit testing principles to achieve quality
- **Enhanced knowledge transfer** by initiating weekly sprint meetings, **reducing onboarding time by 50%** and minimizing reliance on departing team members.
- **Developed a framework** using a questionnaire to streamline the selection of technologies and tools based on specific use-case scenarios, resulting in faster decision-making and **reduced product launch times** for teams.
- **Authored a white paper** on banking security utilizing biometrics, featured in Global Finance Magazine.
- **Awarded Most Valuable Player (MVP) and Insta Awards** at Infosys, for exceptional performance, significantly enhancing team and organization success.

❑ TECHNICAL SKILLS

- **Cloud**: AWS, Azure, Docker, CI/CD Pipeline etc.
- **Frameworks/Libraries:** Angular 18+, ReactJS 18, Polymer JS, Lit, MERN, Tailwind CSS etc.
- **Languages:** JavaScript, Typescript, HTML5, NodeJS, CSS3, SCSS, Python
- **Design:** Figma, InVision, Balsamiq, XD, Design Tokens
- **Testing**: Unit Testing – Jest, Vitest, jasmine, Karma, E2E – Cypress, Playwright
- **Databases:** MongoDB, MySQL, PostgreSQL | Source Control: GIT, TFS, Bitbucket
- **Project Management & Monitoring:** JIRA, Kibana, Notion | Documentation: Confluence, Documentum
- **Web Technologies:** WebRTC, AR (Augmented Reality)
- **Security:** Web application security and vulnerability analysis using SAST/DAST tools, OWASP guidelines, code quality etc.
- **Others:** SonarQube, Jenkins, Datadog, Grafana, Service Mesh (Istio), ELK Stack, DevOps, JSON, REST etc.

❑ WORK EXPERIENCE

Software Engineer | Cisco Systems, Bengaluru | Jul 2022-Present

- Aligned technology and business stakeholders through a comprehensive technical vision, enhancing collaboration and **improving project outcomes by 50%**.
- Enhanced frontend performance by **reducing build and load times by 75%**, ensuring seamless developer and user experiences across devices and **achieving 95% accessibility** compliance.
- Enhanced solution development processes, **achieving a 50% reduction** in delivery time and improving overall project efficiency.
- Executed rigorous **code**, **design**, and **architectural reviews**, ensuring compliance with best practices and enhancing overall software quality.
- Designed and implemented **unit** tests and **end-to-end** test cases, ensuring **90%** compliance with functional requirements, enhancing software reliability, maintenance and quality by adhering to standards.
- Resolved critical technological issues in projects, leading to a **50% improvement in customer success ratings**.
- Ensured compliance with **GDPR** and web accessibility standards by implementing **frontend security best practices**, enhancing user trust and data protection.
- Facilitated best practices and technology selection, enhancing code quality across engineering teams, leading to a **20% reduction in bugs**.
- Collaborated with project managers, developers, and QA to **resolve** technical challenges, **enhancing project efficiency by 30%.**
- Ensured adherence to quality standards, producing **clean**, **efficient**, and **error-free** code, enhancing overall project performance.
- Enhanced system performance by actively participating in architectural design discussions, achieving a **20% improvement** in application **availability**.
- Automated CI/CD pipeline workflows utilizing **CircleCI**, **GitHub Actions**, and **Cloud Bees CD/RO**, enhancing deployment **efficiency by 20%**.

Senior Architect | Cognizant Technology Solutions, Noida| Nov 2021-Jul 2022

- Implemented CI/CD pipeline workflows for automated builds utilizing **Docker**, **Jenkins**, and **BitBucket** enhancing deployment **efficiency by 30%** and reducing build time by **25%.**
- Defined and refined **functional** and **spatial requirements** for new structures in collaboration with clients, enhancing project alignment and satisfaction.
- Established governance mechanisms and defined architecture policies, leading to a **30% improvement** in project compliance and efficiency.

- Evaluated **architecture designs** from application teams, enhancing project alignment and ensuring a **25% increase** in system efficiency.
- Resolved technical challenges by facilitating team meetings, aligning efforts, and **improving project timelines by 35%**.
- Directed team efforts to enhance task assignment strategies, **achieving a 95% on-time delivery rate** for all projects.

Technical Lead | Infosys Ltd., Chandigarh and NY, USA | Oct 2012-Nov 2021
- Collaborated with cross-functional teams to align requirements and finalize architecture, enhancing API contract clarity by **90%** and reducing development efforts by 50%.
- Implemented **agility** and **lean methodologies** to develop **high-performing software** solutions, enhancing project delivery efficiency by **60%**.
- Communicated complex technical concepts effectively, resulting in a **80% increase in team understanding** and fostering solutions through emerging technology insights.
- Navigated UX challenges by designing prototypes that enhanced user experience and accessibility, **improving user satisfaction by 45%** and quickly adapted changes in customer requirements to meet deadlines.
- Addressed complex technical challenges by mentoring junior staff, which enhanced team efficiency and **improved performance metrics by 60%**.
- Established robust unit, end to end and integration testing protocols, **achieving a 95% defect-free rate** for software features, enhancing overall quality.
- Facilitated dedicated office hours to resolve **technical challenges** and **design issues**, **improving project timelines by 95%**.
- Implemented an onboarding program that effectively **reduced training time by 50%**, enhancing team productivity and assignment management.
- Ensured quality adherence by delivering **efficient code** with **minimal or zero defects**, **achieving 95% error-free deployments**.
- Executed seamless deployments to Development and UAT (test/staging) environments using **TeamCity** and **uDeploy**, ensuring smooth **PROD** transitions with **99% compliance** to change requests.
- Automated the build and deployment process using **Jenkins**, **Docker**, and **GitLab/Bitbucket CI/CD**, enhancing efficiency and **reducing deployment time by 65%**.
- Engaged with DevOps team with implementing Grafana, Istio, ELK stack etc. and helping them to streamline service discovering, management and monitoring.

❑ PREVIOUS ROLES
- Senior Software Engineer, Asentria Corporation, Noida | Oct 2011-Aug 2012
- Senior Software Engineer, iSmart Panache Solutions., Gurugram | Jun 2008-Oct 2011
- Web Developer, Beganto Software, Noida | Jun 2006-Jun 2008
- Web Developer, Greenrev Ventures Pvt. Ltd., Delhi | Aug 2005-Jun 2006

❑ PROJECTS HANDLED
Cisco CX Cloud (Jul 2022 to Present)
- Coordinating with teams on requirement understanding and participating in technical discussions to improve overall design/architecture resulted in **reducing tech debt by 50%**.
- Developed and implemented detailed technical specifications from business requirements, enhancing functionality and ensuring operational efficiency across projects.
- Facilitated cross-functional team discussions to enhance requirement clarity, **improving project delivery timelines by 70%**.
- Executed comprehensive development, code reviews, and testing processes, enhancing software quality and **achieving 90% reduction in bugs**.
- Executed comprehensive **performance** and **security analysis**, enhancing **code coverage by 50%** and resolving technical debts.

Albertsons Companies – OMS (Jan 2022 to Jul 2022)
- Executed comprehensive technical specifications from business requirements, improving cross-functional alignment by **75% and increasing project clarity**.

- Optimized front-end performance with Angular 12+, increasing code quality with **90% code coverage**, reducing load times by 30% and enhancing overall user experience.

Infosys Cortex, Infosys Ltd. (Feb 2021 to Nov 2021)
- Enhanced user experience by architecting responsive web designs and implementing new features, **achieving 80% accessibility** and comprehensive test coverage through rigorous code reviews.
- Utilized technologies such as Angular 11+, TypeScript, ReactJS, HTML5, CSS3, Nebular Design, Bootstrap 4/5, SCSS, Angular-CLI, JavaScript, TFS, Java, WebRTC, and AR.
- Enhanced the skills of junior team members by mentoring them in code quality and accessibility standards, resulting in a **70% improvement in project compliance**.
- Led a cross-functional team to implement PolymerJS solutions, resulting in **40% faster development** cycles and enhancing overall code maintainability.
- Migrated existing legacy applications, improving **70% performance**, driving a **90% reduction in bug** reports and improving user satisfaction metrics by 80%.

Other past projects –

Citi Insights Platform, Citi Bank NA (Jun 2020 to Feb 2021) – Angular 9/10, HTML, CSS
Corporate Banking, Swedbank (May 2019 to May 2020) – Polymer, HTML, CSS, Loopback, NodeJS, ReactJS
Advice Generation System (AGS), Citi Private Bank (Nov 2017 to May 2019) – Angular 5, TypeScript, HTML, CSS, NodeJS
EntityHub, Clarient - Onsite (Dec 2014 – Nov 2017) – AngularJS, ReactJS, HTML, CSS
IMP, Amex (Nov 2013 – Nov 2014) – JavaScript, jQuery, HTML, CSS
iTrade, ASM, iMeet, GlobalMeet, PGi Corporate Website, Virtual Fax Machine and many more

❑ CERTIFICATIONS

1. AWS Certified Cloud Practitioner, April 2022

2. Infosys Certified NodeJS Developer

3. Infosys Certified Agile Developer

❑ ACADEMIC DETAILS

- **MS Software Systems**
  BITS, Pilani

- **Bachelor of Software Systems** (Four years degree course, Equivalent to B.E./B.Tech.)
  KIIT, Ghaziabad, Affiliated to Dr. B.R. Ambedkar University, Agra

❑ REFERENCES

References can be provided on request.