

Kshitij Akash Dumbre

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SUMMARY

Full-stack developer and technical problem-solver specializing in JavaScript with React and Node.js, Python, and AWS cloud platforms. Proven ability to build scalable applications, automate workflows, and troubleshoot complex systems. Passionate about mentoring peers and contributing technical expertise to campus IT and research projects.

EDUCATION

Master of Science (MS) Computer Software Engineering Jan 2025 – Dec 2026
Arizona State University, Tempe, AZ
Foundations of Software Engineering | Software Proj/Process/Qual Mgt | Languages and Prog Paradigms

Bachelor of Engineering (BE) Computer Engineering Jun 2019 – May 2023
Mumbai University, Navi Mumbai, India
Data Structures | Machine Learning | Database Management Systems | Artificial Intelligence | Computer Networks

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python
Web Development: ReactJS, NextJS, React Native, HTML, CSS, GraphQL, REST
Libraries, & Databases: Spring Boot, Spring WebFlux, Firebase, Maven, MongoDB, Clickhouse, SQL
Cloud, DevOps & UI/UX Design: AWS, Docker, Jenkins, Git, Figma, Adobe XD
Core Skills: Project Management, Mentoring, Agile methodologies, Linux/Unix command line, Analytical Thinking

PROFESSIONAL EXPERIENCE

Full Stack Developer | RKS Cloud, Irvine, CA (Remote) Aug 2023 - Dec 2024

- **Cloudgov**
 - Developed **15+ features** using **Next.js, TypeScript, and Chakra UI** to streamline workflows and enhance UI consistency, reducing page load times by 40%.
 - **Integrated Mailgun** to send **personalized, custom-templated emails** with updated cost information before platform access, dispatching 1K+ emails monthly.
 - **Built Spring Boot services** to fetch AWS/Azure cost data, converting CSV reports into Chart.js dashboards that improved budget forecasting by 15%.
 - **Automated deployment workflows** using AWS EC2, ECS, CodePipeline, and Lambda, crafting CloudFormation scripts for cross-environment deployments. Reduced deployment time by 40% and boosted developer productivity.
- **TRZR**
 - **Led React Native development** for Android/iOS apps, optimizing state management to improve UI load times by 25% while implementing key features
 - **Streamlined App Store submissions** via EAS/Expo, resolving integration conflicts and code-signing issues. Achieved a 98% first-attempt approval rate and reduced review time by 20%.
 - **Engineered Spring Boot/GraphQL APIs** to optimize frontend-backend data flow, achieving a 30% crash reduction through rigorous Apple compliance protocols.

PERSONAL PROJECTS

Ride Sharing Platform Oct 2022 - Jan 2023

- Developed a React.js/Tailwind platform with Firebase and Google Maps API that demonstrated 15% higher driver profits and 20% lower user costs through optimized fare-splitting and coupon systems.

Bill Master Jun 2022 - Aug 2022

- Built a React.js platform for automated invoice generation, theoretically reducing billing errors by 15% via validation rules (PDF/Excel exports) during college project trials.

EXTRACURRICULAR

Posture Detection AI | Voxel51 Hackathon @ ASU | Feb 2025

- Awarded 1st place for innovative computer vision implementation and real-time performance optimization.
- Developed a computer vision system using Python, OpenCV, and TensorFlow that tracks body posture by mapping 17 key points via Google's MediaPipe library