

# Kanishk Bhatia

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## WORK EXPERIENCE

**Founding Software Engineer**, WorkOrderWizard LLC, Remote, USA Oct 2023 – Present

- Engineered an engaging application interface with React Native and Expo Go that provided seamless functionality across Android and iOS devices, leading to positive feedback from 90% of initial testers regarding ease of use
- Collaborated with stakeholders to align technical development with business goals, improving product adoption by 20%
- Optimized backend infrastructure using Firebase's serverless architecture, reducing operational costs by 65%
- Analyzed feedback from 10 testers during rigorous sessions on Apple's TestFlight, implementing targeted improvements that directly contributed to stabilizing the app environment while minimizing disruption for active users
- Strengthened the mobile application's security by integrating Firebase, leading to a 70% decrease in unauthorized access

**Software Engineer**, Ultimate Computech Pvt. Ltd., Mumbai, India Apr 2020 – Jul 2021

- Developed an employee management web application using ReactJS on AWS, reducing hosting expenses by 40%
- Assembled a scalable server architecture with MongoDB and NodeJS, improving system performance by 50%
- Built robust security measures like encryption and secure API endpoints, reducing vulnerability to cyber threats by 30%
- Developed CI/CD pipelines and automated testing, reducing deployment time by 60%

## SKILLS

- Programming Languages:** Python, Swift, JavaScript, Java, Bash, C, C++
- Web Technologies:** React, Node, UIKit, HTML, CSS, React Native, Expo Go, Next.js, Typescript, Angular, Sass, Ajax, jQuery
- SCM and Automation:** AWS, GCP, Git, GitLab, CI/CD, Terraform, Packer, Kubernetes, Docker, Ansible, Jenkins
- Databases:** MySQL, NoSQL, MongoDB, SQL, Firebase, PostgreSQL, Sanity
- API Technologies:** GraphQL, REST, Postman, OAuth, JSON, XML

## PROJECT EXPERIENCE

**Interactive Portfolio Website with Next.js, Tailwind CSS, and Sanity** May 2024 – Aug 2024

- Implemented Sanity.io for real-time backend updates and reduce update times by 75%
- Integrated responsive design to ensure seamless accessibility across devices, driving a 40% increase in mobile user engagement

**Automated Deployment Pipeline for Web Application using JavaScript on AWS Infrastructure** Jan 2023 – Apr 2023

- Designed RESTful APIs for user registration and product inventory management using NodeJS, Packer, and Bash Scripts
- Automated AWS infrastructure management with Terraform, achieving a 50% improvement in deployment efficiency
- Executed CI/CD pipeline for deploying custom AMIs using GitHub actions and CodeDeploy, reducing the deployment time by 80%
- Integrated CloudWatch for monitoring API calls and utilized Autoscaling Groups to ensure the scalability of EC2 instances

**iOS Application - Referral and Professional Assistance Platform** Nov 2022 – Dec 2022

- Constructed a dashboard for a referral iOS application, enhancing post-management efficiency by 85% through the development of user-friendly interfaces and streamlined data management
- Engineered the transitions across 10 screens using Storyboard, creating a seamless and intuitive user interface
- Cataloged over 500 posts with Firebase Firestore, organizing and managing data with a scalable database solution

**The Menace Machine with Reinforcement Learning Enhancement** Mar 2022 – Apr 2022

- Programmed a Python-based competitive Tic-Tac-Toe game with an efficient algorithm and command-line interface
- Applied a reward-based method by using Reinforcement Learning, resulting in a 61% improvement in game-winning accuracy
- Trained the application by implementing the Human Optimal Strategy and improved the win percentage from 72% to 93%
- Recorded over 10,000 training sets in a JSON format for easy retrieval during the gameplay, enabling adaptive learning

**Expense Tracker Application using React, Typescript and MongoDB Cloud** Nov 2021 – Dec 2021

- Orchestrated authentication using JWT, Google OAuth, and Nodemailer, resulting in a 90% drop in security breaches
- Deployed a scalable and flexible database using MongoDB Cloud Services, capable of efficiently managing over 1 million records
- Established a responsive user experience with react and redux components, with an average loading time of 2 seconds

## EDUCATION

**Northeastern University**, Boston, MA May 2023  
Masters in Information Systems

**University of Mumbai**, Mumbai, India May 2020  
Bachelor of Computer Engineering