Kanishk Bhatia

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WORK EXPERIENCE

Founding Engineer   **Oct 2023 – Present**
WorkOrderWizard LLC.   *Remote, USA*
- Engineered the application with React Native and Expo Go provided seamless functionality across iOS and Android devices
- 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%
- Strengthened the mobile application's security by integrating Firebase, leading to a 70% decrease in unauthorized access

Full-Stack Engineer   **Apr 2020 – Jul 2021**
Ultimate Computech Pvt. Ltd.   *Mumbai, India*
- 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
- **Web Technologies:** React, Node, HTML, CSS, React Native, Expo Go, Next.js, Typescript, AngularJS
- **SCM and Automation:** AWS, GCP, Git, CI/CD, Terraform, Packer, Docker
- **Databases:** MySQL, NoSQL, MongoDB, SQL, Firebase, PostgreSQL, Sanity
- **API Technologies:** GraphQL, REST, Postman, OAuth, JSON

PROJECT EXPERIENCE

Interactive Portfolio Website with Next.js, Tailwind CSS, and Sanity   **Jul 2024 – Sep 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 and Python   **Mar 2022 – Apr 2022**
- 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%
- Implemented a comprehensive testing suite using pytest to validate the game's functionality and performance, ensuring consistent accuracy and reliability across 19,000 training sets

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