RAHUL DHIMAN

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PROFILE SUMMARY

Highly motivated master's student in Computer Science and Engineering with over 4 years of industry experience in engineering, specializing in app development and related fields. Proficient in coding and debugging across multiple languages and frameworks, including Go, Swift, Python, C++, and TypeScript. Skilled in cloud technologies such as AWS, GCP, and Azure, with hands-on experience in database management systems like PostgreSQL and MongoDB. Strong academic background in algorithms, machine learning, and distributed systems. Proven track record of success in previous internships and full-time roles, contributing to the development of impactful projects.

EDUCATION

M.S, Computer Science and Engineering   **Apr 2023 – Dec 2024**
Santa Clara University (3.7/4)

- **Related Course Work:** Design and Analysis: Algorithms, Machine Learning, Artificial Intelligence, Pattern Recognition and Data Mining, Distributed Systems, Database Systems, Computer Networks, Computer Architecture, Advance Operating System, Cryptography, Directed Research

B.E, Computer Science and Engineering   **Aug 2015 – Jul 2019**
Chitkara University (3.6/4)

- **Related Course Work:** Operating System, Object Oriented Programming, Client-Side Technologies, Computer System Architecture, Advanced Database Management System, Theory of Computation, Data Structures, Web App Development

TECHNICAL SKILLS

- **Languages:** Go, Swift, Python, C++, TypeScript, JavaScript, Dart, HTML, CSS, Shell Script
- **Frameworks:** Flutter, Next.js, Node.js, React, Vue, Django, Flask, IoT, Bootstrap, Tailwind
- **Cloud:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Azure, Oracle Cloud, Vercel, Chord DHT, Digital Ocean, Docker & Kubernetes
- **Database:** PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, PrismaDB, Planet-Scale, Firestore
- **Tools:** Git, GitHub CI/CD, Jenkins, GoLand, Xcode, WebStorm, PyCharm, Colab, IntelliJ, CLion, Visual Studio Code
- **Certifications:** Docker & Kubernetes Guide, Go: The Complete Developer Guide, Machine Learning Nanodegree, iOS Developer Nanodegree

PROFESSIONAL EXPERIENCE

Research Associate   **Jan 2024 – Present**
SCU Frugal Innovation Hub

- Led the development of a project management dashboard for GDT Clinic at the Frugal Innovation Hub (FIH), improving collaboration and project oversight. Achieved a 30% boost in team productivity and reduced project turnaround time by 20%.
- Contributed significantly to the development of the "Equation2Success" anti-bullying app using Flutter, which includes a user-friendly interface, an admin panel for case management, and an efficient ticketing system. Spearheaded the deployment of the app on AWS cloud servers, employing Docker and Kubernetes on the AWS EKS platform to ensure scalability and reliability.
- Revamp a Flutter app to MVVM architecture, achieving a 10% size reduction and 2-3x speed increase for user experience, especially in low-bandwidth region.

Senior Software Engineer   **Jun 2019 – Jan 2023**
ClickLabs Pvt. Ltd.

- Spearheaded the development of the Yelo product, a SaaS-based on-demand marketplace platform, facilitating its growth and attainment of peak performance levels. This initiative resulted in significant value creation for over 150+ SaaS clients, with each experiencing a profitability surge exceeding $10,000.
- Orchestrated the AWS cloud infrastructure for Yelo, facilitating the product's expansion into over 100 countries while supporting a daily transaction volume exceeding 100,000+, alongside handling 150,000+ active users daily.
- Built the Secret Spa app from scratch for both customers and merchants, resulting in a 50% increase in sales for the company within a single year, and fostering the growth of over 100+ new merchants.
- Directed the development of the Mezmo IoT app at Mahindra-Susten, seamlessly integrating BLE-controlled bike features. Embraced by a user base of 500+ daily riders, the app offered advanced functionalities for maintenance and life cycle analysis.

Software Engineering Intern   **Jun 2018 – Jun 2019**
ClickLabs Pvt. Ltd.

- Excelled in Swift and Storyboards on Xcode, showcasing expert knowledge of iOS principles. Proficiently integrated IoT-based bikes using BLE techniques, achieving optimal performance.
- Acquired expertise in AWS and cloud technologies, leveraging services like AWS's Elastic Beanstalk and GCP's Google Kubernetes Engine to enhance the scalability and reliability of applications. Developed proficiency in site reliability engineering (SRE) principles, ensuring high availability and performance of deployed applications.
- Actively participated in multiple projects, consistently delivering high-quality code, and garnering positive feedback from over 100 beta app tests. Proficient in crafting SaaS-based applications to meet diverse technological needs.

PERSONAL PROJECTS

Quiklink (Go, PostgreSQL, Redis, AWS, GCP, gRPC, Docker, Kubernetes, GitHub Automation, GoTemplate, Bootstrap CSS)   **Aug 2023 – Present**

- Engineered Quiklink, a potent URL-shortening solution powered by a Golang backend, prioritizing speed and efficiency.
- Crafted a sleek and intuitive frontend using HTML, CSS, and JavaScript, ensuring a seamless user experience for generating concise links from lengthy URLs.
- Introduced customization options for preferred aliases in custom short links, elevating user experience and personalization.
- Integrated advanced analytics features to monitor link clicks and performance, empowering users with insights into the impact of their shared links.
- Leveraged GitHub actions and workflows to automate testing and deployment processes, seamlessly deploying the application to a Kubernetes cluster (GKE).

Banjo-AI (Next.js, React, TypeScript, MongoDB, Prisma DB, Tailwind CSS, OpenAI, Microservices Architecture, Vercel, REST APIs, Stripe)   **Nov 2023 – Present**

- Engineered Banjo-AI, a dynamic application designed to generate various content types including chat, code, images, videos, and music from a text prompt.
- Seamlessly integrated OpenAI to augment the platform's capabilities, facilitating the generation of diverse and high-quality content.
- Implemented Stripe for a robust and secure subscription model, guaranteeing efficient and reliable payment processing for users.
- Orchestrated continuous improvements and updates to Banjo-AI, ensuring its scalability, reliability, and user satisfaction through regular feedback integration and feature enhancements.

Fact of the Day (Node.js, Next.js, MySQL, iOS, Android, Oracle Cloud, Cron, JavaScript, REST APIs, JWT)   **Feb 2019 – Present**

- Expertly orchestrated backend operations utilizing MySQL and Node.js, ensuring streamlined data handling and processing efficiency.
- Led the development and deployment of Android and iOS applications, accumulating over 5000 downloads, and facilitating accessible daily knowledge dissemination.
- Implemented cron jobs for automated notifications, enhancing user interaction and retention, thus optimizing the overall user experience.