Sanchit Dang
Software Development Engineer

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ABOUT

Hello! I'm a driven Computer Science & Engineering student focusing on mobile app development / backend. Proficient in Java, Kotlin, and Dart, I've built user-friendly applications and explored Java backend development using Spring Boot. My adeptness in Data Structures and Algorithms allows me to optimize processes for efficiency. Engaging in coding challenges keeps me sharp and updated on industry trends. I'm eager to bring my passion for innovation and expertise to mobile app development projects.

EXPERIENCE

December 2023 - Current
A2Z INFRA ENGINEERING LIMITED
- Developed front-end app with Flutter and backend with Java Springboot.
- Process live GPS data using a listener parser, extracting and storing latitude and longitude information in a backend system built with Java SpringBoot, and database as SQL.
- Generate vehicle route lines based on stored GPS data and integrate Google Maps into Flutter applications to visualize routes, boundaries, and vehicle locations.
- Implement geo-hashing techniques to restrict drivers within defined geographical regions, ensuring adherence to specified boundaries.
- Develop modules within the Flutter application, including attendance tracking and waste collection status, while ensuring cross-platform compatibility and continuous monitoring for optimization.

May 2023 - November 2023
COGENT WEB SERVICES
- Integrated payment gateways on Android using Flutter and Java.
- Implemented a robust backend system in Java to store and manage transaction data securely.
- Successfully implemented payment solutions for
  - PhonePe, Razor Pay, Paytm,
  - PayPal, Stripe, and Cashfree.
- Integrated Admod advertisement on Android using Flutter and Java.
  - Implemented Google Ad mods
  - And Unity Ads
- Specialized in creating callback APIs for streamlined communication.
- Demonstrated expertise in deploying solutions in production environments.

February 2023 - May 2023
ANEKVURNA CONSULTANCY PVT LMT
- Developed an Android and iOS ride-hailing app using Flutter, offering users seamless cab booking services.
- Integrated Google Maps APIs, including Places Library for location details, Directions API for optimal routing, and Geolocation for precise tracking, and other third-party APIs to enable crucial functionalities like location services and route planning.
- Managed the app's backend infrastructure through the Google Cloud Console, and Google Cloud Messaging, involving server setup, user data management, and handling requests and responses.
- Implemented Firebase integration, enhancing the app with real-time database, authentication, hosting, and cloud storage capabilities.

TECH. SKILLS

- Programming Languages: Java, Python, Dart, GoLang, Kotlin.
- Frameworks: Android Studio, Flutter, SpringBoot, Maven, Selenium, Django.
- Other Technologies: Amazon Web Services, phpMyAdmin, Google Cloud Platform, Virtual Machines.
- Databases: MySQL, PostgreSQL, SQLite, FireStore Cloud, AWS RDS.
- Others: Team Management, Public Speaking, Presenting Ideas & Making Roadmaps.

RECENT PROJECTS

2024
LINKEDIN ANDROID AUTOMATION (FREELANCE)

- Created a Java-based Android app using Accessibility Services for LinkedIn automation.
- Admin app allows customization of actions such as sending messages, replying to messages, liking posts, commenting on posts, etc.
- Implemented Chat Gpt API to send replies to users.
- Incorporated features to like posts, comment on posts, and engage with the LinkedIn community.
- Implemented a dynamic automation flow where actions are configured through an admin app.

2024
TRANSPORTER (FREELANCE)

- Developed backend functionality for a transporter application using Spring Boot in Java, ensuring robust performance and scalability.
- Utilized Spring Data JPA to interact with the relational database, storing and retrieving data efficiently.
- Designed database schema using PostgreSQL to maintain structured and organized data.
- Implemented CRUD operations to manage transportation-related data such as orders, deliveries, and vehicles.
- Ensured data integrity and security by implementing authentication and authorization mechanisms

CERTIFICATIONS & ACHIEVEMENTS

DATA STRUCTURES AND ALGORITHMS
Credential ID SZTB6UUSTZ3X

ADVANCE DATA STRUCTURES
Credential ID SZTB6UUSTZ3X

JAVA PROGRAMMING MASTERCLASS
Credential ID UC-f1a76eb4-68b4-4482-96bf-d0845b38a001

FLUTTER & DART - COMPLETE MASTERCLASS
Credential ID UC-932dd3f8-3822-4a15-aaab-ec76c9840c3f

JAVA SPRINGBOOT
Credential ID UC-2d16f401-6654-45eb-9288-6b2bd24f3313

EDUCATION

2021-2025
DRONACHARYA COLLEGE OF ENGINEERING

B.tech in Computer Science & Engineering (AI/ML)

2009-2021
ST CECILIA'S PUBLIC SCHOOL

Central Board of Education - Science Stream (PCM)