Ashish Kumar

Software Engineer

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4-year MERN Stack Developer experienced in Frontend, Backend and Android app development. Skilled in testing and adept at CI/CD deployment. Adaptable to diverse technologies, committed to ongoing learning and effective management in the software industry.

Key Skills

- Frontend Development:
  - HTML, CSS, JavaScript, Typescript, React.js (Utilized in various web development projects)
- Backend Development:
  - Node.js, MongoDB, Firebase (Implemented backend solutions for scalable applications)
- Mobile App Development:
  - Flutter, Dart, Firebase (Developed Android applications with real-time database integration)
  - Java (Previous experience in Android app development)
- Cloud Services:
  - AWS (EC2 - Used for scalable computing resources)
  - Google Cloud (Executed data queries for efficient data retrieval)
  - Typescript, Nodejs (implemented cloud functions for performance optimization)
- CI/CD:
  - Wrote CI/CD code for React and Node.js applications (Streamlined development processes)
- Database:
  - MongoDB, Firebase (Managed and optimised database structures)
- Testing:
  - Wrote text cases for Flutter widget unit testing and React component unit testing.
  - Helped the team to understand java selenium code architecture and flow.
- Versatility:
  - Demonstrated adaptability to new technologies and tools
- Software Development Life Cycle (SDLC):
  - Involved in all phases of the SDLC, ensuring comprehensive project delivery

Work Experience

Software Engineer
Amiti Software Technologies, Bengaluru   03/2020 - Present

- Expertly crafted engaging web interfaces using HTML, css, javascript, React.js and seamlessly extended user experiences to Android platforms through Flutter.
- Architected robust REST APIs for web applications using Node.js and orchestrated data manipulation on Android platforms using Dart, ensuring seamless integration with databases.
- Implemented secure token-based authentication for Node.js web applications, enhancing user data protection. Applied OAuth authentication seamlessly within Flutter Android apps, ensuring robust and reliable user identity verification.
- Developed SQL queries to extract valuable insights for analytics, closely collaborating with the analytics team to enhance data-driven decision-making.
- Leveraged MongoDB queries with Node.js to efficiently manipulate data within RESTful APIs, ensuring seamless data operations.
- Authored scripts for Firebase collections, enabling efficient data manipulation within Flutter Android applications.
- Developed Google Cloud Functions using Node.js to augment backend functionality, for certain database operations, resulting in enhanced system performance and overall efficiency.
- Engineered CI/CD pipelines for React.js, Node.js and Flutter applications, collaborating closely with the DevOps team. Streamlined deployment processes to ensure efficiency and reliability.
- Guided the inaugural onboarding team in comprehending Java Selenium testing code architecture and code flow, fostering a smooth transition into the project.
- Leveraged EC2 instances for development and testing purposes, allowing for the creation of customized configurations to thoroughly evaluate applications before deployment to production.

Achievements

- Successfully adapted to diverse technologies, including AWS, Google Cloud, Java, and various frontend and backend stacks, showcasing adaptability in dynamic software industry environments.
- Learned React Native and successfully designed a comprehensive 50-page application front-end UI within a remarkable timeframe of 45 days. Demonstrated commitment to self-improvement and the ability to rapidly apply acquired skills to real-world projects.(Link https://gitlab.com/ashish.kumar19097/bore).
- Conceptualized, designed, and implemented a personal portfolio website using React.js, showcasing both technical proficiency and a keen eye for design. Demonstrated the ability to create a professional online presence through self-driven project development.

Projects

Chimple Teacher

Role: Mern stack developer

Description: A web application for teachers to manage a class and monitor students who is connected to chimple class, this helps teachers to build a positive classroom environment and can track students class activities.

Technology Stack: Html, CSS, Reactjs with typescript, Nodejs with javascript, MongoDB, redisDB, Firebase Analytics, EC2, bitbucket, google cloud Functions.

Chimple Class

Role: Software Engineer

Description: An Android game educational app for children, from toddlers to preschoolers and kindergarten to help with early literacy.

Technology Stack: Typescript, Nodejs with typescript, Cocos game engine, Firebase, github, google cloud functions.

Chimple Analytics

Role: Software Engineer

Description: An analytics dashboard web app for school director or stakeholders to monitor teachers and students activities engagements.

Technology Stack: Html, css, React, Nodejs, mongodb, google cloud SQL Query

Chimple Pedagogy

Role: Software Engineer

Description: An Flutter based android app for pedagogy experts to create curriculum contents for Chimple app. It helps to create and render the created curriculum dynamically to chimple android app.

Technology Stack: Flutter, dart, firebase, google cloud functions

Curious Reader

Role: Software Engineer

Description: Educational learning web games to teaches child the fundamentals of reading, Currently total 8 different type of web games renders under Single android app.

Technology Stack: Html, css, javascript, google cloud SQL Query for analytics, Java based android app to render web games and android webviews.

Education

Bachelors of Engineering in Electronic and communications
Graduated from Don bosco institute of technology, bengaluru affiliated (VTU), belgaum karnataka. (2014-2018)

DECLARATION

I hereby acknowledge that the Information Furnished above is correct to the best of my knowledge.

Date: **place:** Bengaluru