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SUMMARY

- Over 5 years of strong experience as Full Stack Software Engineer with solid understanding of front-end and backend technologies.
- Analyzed business requirements to translate functional requirements into technical requirements and developed web applications using MongoDB, Express, React.js/Redux, and Node.js (MERN stack).
- Strong knowledge in MERN Stack with vast experience in building Web Applications, used React.js for the client side, Node.js/Express for server side, and MongoDB, SQL Server for database.
- Used NodeJS and Express framework to build server side logic, and applied with middlewares to handle http requests.
- Proficient in using Next.js to build dynamic web applications.
- Hands-on experience in using React 1.x/2 to build Single Page Application and solid understanding of custom directive,factory, service, component and routing.
- Expertise in using Grid Controls, jQuery and DOM manipulations, worked with CSS preprocessor LESS/SASS to improve the maintainability of CSS.
- Strong knowledge of MongoDB as well as SQL server, experienced with (Mongoose plugin, Mongo Client) and write SQL queries, stored procedures and data base normalizations.
- Deep understanding with advanced Javascript concepts, such as Prototype, Closure, Scope Chain and Promise.
- Strong knowledge of Object Oriented Programming, functional programing and have strong knowledge of design patterns, such as SOLID principles, Singleton, factory, DI, etc.
- **GPT-4** integrated with **prompt-to-response** mechanism for seamless customer interaction.
- **Twilio** integrated for seamless calling and messaging.
- Extensively worked with Test-driven Development (TDD) and proficient in creating and executing Unit test cases using Jasmine and Karma.
- Hands-on experience in working with GIT.
- Expertise in working with **WEB3** advertising, connecting brands & consumers through crypto rewards.
- Built a **2FA system** using biometric verification (Face ID and fingerprint) for mobile devices.
- Worked on sports advertisement marketplace built in Ruby on Rails and StimulusJS
- Implemented state machine engine using **AASM** to handle the transition between 100+ states.

PROFESSIONAL EXPERIENCE

Bosley.ai, USA (Dec 2023 – Present)

Sr. Software Engineer Full Stack

Bosley.ai is an innovative **AI-driven** solution designed for restaurants, allowing customers to send inquiries and place orders via call and text messaging

- Specialised **prompt engineering** has been implemented, which is dynamic and adaptable for multiple restaurants.
- Customers can conveniently send inquiries and orders via call and text message.
- **GPT-4** integrated with **prompt-to-response** mechanism for seamless customer interaction.
- **Twilio** integrated for seamless calling and text messaging.
- **Stripe** integrated for secure payment processing and subscription management

Web portal created for restaurant owners to configure timings, track orders, and perform other critical operations

Permission.io, Zug, Switzerland (Oct 2022 – Nov 2023)

Sr. Software Engineer Full Stack (MERN)

WEB3 advertising, connecting brands & consumers through crypto rewards.
- Centralized user authentication via **Keycloak**, reducing synchronization issues and enhancing security, resulting in a 20% decrease in password-related incidents.
- Enabled user data encryption with **CryptoJS**, providing on-demand data retrieval for users, leading to a 30% decrease in unauthorized data access attempts.
- Configured **S3 bucket** with encryption and deletion policies, improving data security, and resulting in a 25% reduction in data breaches.
- Implemented **OneTrust** for compliance, minimizing regulatory incidents by 20%.
- Developed a user-friendly survey feature using **Formik**, boosting completion rates by 40%.
- Introduced ASK export for faster fund transfers to external wallets, reducing transaction processing time by 50%
- Leveraged Shuftipro and Keycloak for robust identity verification**.**
- Developed decentralized applications (dApps) using Web3 and MoralisWeb3, ensuring secure interactions within blockchain ecosystems.
- Integrated React-GTM-Module and Chart.js for advanced tracking, analytics, and data visualization in web applications.
- Utilized @ethersproject/shims and Ethereum-HDWallet for efficient Ethereum blockchain interaction and secure key management.
- Implemented React Custom Events for flexible event handling logic and customization capabilities.

Factiiii, (Feb 2021 – Sep 2022)

Sr. Software Engineer Full Stack (MERN)

A community building platform aimed to deliver reliable, unbiased information that stems from authentic sources.
- Built a **2FA system** using biometric verification (Face ID and fingerprint) for mobile devices.
- Streamlined the code by removing **spaghetti code**, fixing component re-renders, reducing backend calls, and adding memoization.
- Proficiently utilized Next.js.
- Removed spaghetti code, added **memoization** which reduced unnecessary backend calls and component re-renders.
- Implemented **in-app-purchases** for both iOS and Android platforms.
- Replaced useContext with **react-query**, slashing **load times** by up to **3s.**
- Proficient in Express.js and Prisma technologies.

- Experience with JWT authentication, Socket.io communication, and Bcrypt encryption.
- Proficient in integrating Stripe payment gateway.

Crafted a **dynamic Wikipedia scraper** that classifies articles that **smartly tags** posts with distinct topics enabling users to access enormous information.

Duke Leads FZCO, (Oct 2019 – Jan 2021)

Software Engineer Full Stack (Vue.js)

Developed one of the largest marketplaces for the smartphone industry
- Implemented lazy loading to improve efficiency and reduce the response time of the application.
- Designed frontend using **Vue.js** with API supported **ROR** backend application for a fine user experience.
- Wrote an intelligent script to fetch over **1M+ data** from Awin and Three, extracted correct device names and colours using a tailored script.
- Implemented features to decide on popular products and display them on top.

Virtual Totem, (Nov 2018 – Sep 2019)

Software Engineer Full Stack

Web app offering a team building activity
- Used **view components** to write highly reusable code in the form of components.
- Implemented **Stimulus reflex** to display real-time changes and give the experience of **SPA**.
- Implemented state machine engine using **AASM** to handle the transition between 100+ states.
- Used **Redis** and **Sidekiq** to schedule background jobs.
- Used **Redis** and Sidekiq for efficient background job processing.
- Implemented Passwordless for streamlined user authentication processes.
- Employed Acts-As-Votable to enable user interaction features like voting and liking.
- Configured Sentry for real-time error tracking and debugging.
- Utilized AWS SDK S3 for efficient storage solutions and seamless integration.

TECHNICAL SKILLS

Backend	Nodejs, Express.js, ROR, Python, GraphQL, REST API, RuboCop, RSpec, lefthoo Redis, Sidekiq, Heroku, AWS, Lambda, MongoDB, Dynamodb
Frontend	React.Js, Next.Js, Vue.js, Stimulus.js, Reflex, Hotwire-Turbo, Bootstrap, Tailwinc UIKIT
Others	Stripe, Twilio, SendGrid, Postmark, Pusher, Auth0, Google Maps, GPT-3, GPT-4, Agile, Scrum, Jira, CircleCI

EDUCATION

Bachelor's in Software Engineering
COMSATS University • Lahore

EXTRACURRICULAR ACHIEVEMENTS
- Academic Excellence: Batch Topper from 2nd to 7th Semester.
- IEEE Xtreme 13.0 Programming Competition: 10th Position in Pakistan.