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Summary

I am a highly motivated and passionate Software Engineer with a strong track record of designing and developing innovative applications. With experience both as an individual contributor and a collaborative team member, I have a diverse skill set encompassing various technologies and tools.

My expertise lies in backend development, where I have gained proficiency in NestJS, MongoDB, Redis, Docker, Kubernetes (K8s), and AWS. Additionally, I have extensive experience with databases such as PostgreSQL and cloud services like Google Firebase. I have also integrated various APIs and leveraged third-party libraries for both backend and frontend tasks, ensuring efficient and scalable solutions.

Participating in hackathons has further honed my problem-solving skills and ability to thrive in fast-paced environments. I embrace continuous learning, always staying up-to-date with the latest industry trends and advancements. This open-mindedness and hunger for knowledge drive me to constantly improve my skills and seek new opportunities for growth.

My ultimate goal is to channel my creativity and passion for software engineering into creating meaningful and impactful solutions. By leveraging technology, I aspire to enhance people's lives and contribute to positive change. I am excited to collaborate with like-minded individuals and organizations to make a difference in the world.

Let's connect and explore how we can create something exceptional together!

Experience

Senior Software Engineer

Intellia

Oct 2021 - Present (1 year 8 months)

• #Intelliaio (UK, London)

Marketplace for analysts where end customers can hire vetted financial analysts.

Responsibilities:

- Leading backend development to enhance code quality, improve architecture, and ensure scalability.
- Implementing Event-Driven Architecture (EDA) to enhance application scalability and responsiveness.
- Enhancing the Rule Engine to recommend analysts who are the best fit for specific roles.
- Implementing Role-Based Access Control (RBAC) to enhance system security and prevent unauthorized access.
- Developing a robust notification system to handle all system-related notifications for end customers.
- Incorporating ELK (Elasticsearch, Logstash, Kibana) stack to improve monitoring and logging capabilities.

Impact:

- # Leveraged NestJS, MongoDB, and Elasticsearch to create a high-performing and scalable marketplace platform.
 - # Utilized AWS services (Elastic Beanstalk, EC2, Cognito, IAM, ACM) for reliable and secure cloud infrastructure.
 - # Addressed OWASP Top 10 vulnerabilities, ensuring the application's security and protecting user data.
- Improved code quality, architecture, and scalability of the backend system.
- # Implemented EDA for enhanced application scalability and responsiveness.
 - # Optimized the Rule Engine to provide accurate recommendations for the best-fit analysts.
 - # Enhanced system security by implementing RBAC to prevent unauthorized access.
 - # Developed a comprehensive notification system to ensure effective communication with end customers.
 - # Integrated ELK stack for advanced monitoring and logging capabilities.

Technologies: NestJS, MongoDB, Elasticsearch

Cloud Technologies: AWS (Elastic Beanstalk, EC2, Cognito, IAM, ACM)

Logging and Analytics: ELK (Elasticsearch, Logstash, Kibana)

Security: Addressed OWASP Top 10 vulnerabilities, ensuring application security and protecting user data.

Senior Software Engineer

TechnoWIS

Oct 2021 - Sep 2022 (1 year)

▪#KnightsBridge (JV with Game Space Inc., Singapore)

- Led a team of 5 engineers to develop the backend infrastructure for a crypto exchange, ensuring smooth and secure trading experiences for users.
- Assisted in onboarding and mentoring additional developers to ensure a cohesive understanding of blockchain concepts and efficient collaboration within the team.
- Collaborated with devsecops as an edge engineer to ensure the seamless delivery of application releases, enhancing reliability and minimizing downtime.

Technologies: NestJS, MongoDB, Elasticsearch

Cloud Technologies: AWS (Elastic Beanstalk, EC2, Cognito, IAM, ACM)

Cloud Native Technologies: K8s (Kubernetes), Docker

Logging and Analytics: ELK (Elasticsearch, Logstash, Kibana)

Security: Implemented measures to address OWASP Top 10 vulnerabilities, ensuring the application's security and protecting user data.

▪#Wego (Premium LLC, USA)

- Directed a team of 4 engineers in the development of a rider-sharing mobile application, delivering a real-time and cost-efficient solution with scalable architecture.
- Architected the application to optimize cost and accuracy of estimations, leveraging Google Maps API and implementing smart algorithms.
- Implemented cloud infrastructure for the application, enabling seamless scalability and high availability.
- Collaborated with the team to integrate the Stripe payment system, ensuring secure and convenient transactions for users.

- ▷ Optimized the server to handle increased request throughput, enhancing the application's capacity to handle a higher number of requests per second.

Technologies: NestJs, MongoDB, Google Maps, AWS

▪# Fortun

Distribute Nft on Chocolate sales

Blockchain: web3.js, hardhat, rable,

Cloud Technologies: CDK, Api gateway, Cognito, ACM, lambda, Dynamo, typescript

▪# MIDL(Blockchain Dev.)

- ▷ Run Alacrity node and developed and deployed all the necessary contracts like wrapped currency, midl app contract, escrow contract, fee contract

▪# Kompwnd



Software Engineer

Deep Dive Technologies Pvt. Ltd.

Nov 2020 - Sep 2021 (11 months)

▪#Boon (CONSEGNA DELIVERY SERVICE LLC, Dubai)

Pharmacy application that facilitates order placement and medicine delivery to end customers.

- ▷ Led the development of the end-to-end backend solution, ensuring a seamless flow from customer prescription submission to medicine delivery at their doorstep.
- ▷ Implemented a robust system to handle orders that involve multiple pharmacies in case certain medicines are unavailable at a single pharmacy.
- ▷ Designed and implemented the cloud infrastructure, including CI/CD pipelines and auto-scaling using Elastic Beanstalk, to ensure a reliable and scalable application deployment.
- ▷ Improved application scalability by adopting a Microservices architecture and successfully implementing it within the pharmacy application.
- ▷ Integrated an Elasticsearch engine for fuzzy search functionality within the medicine catalog, enhancing the user experience and making it easier for customers to find specific medicines.
- ▷ Integrated the ELK (Elasticsearch, Logstash, Kibana) stack for comprehensive logging and application insights, enabling efficient monitoring and troubleshooting.

Technologies: NestJS, MongoDB, Elasticsearch

Cloud Technologies: AWS (Elastic Beanstalk, EC2, Cognito, IAM, ACM), K8s, docker

Logging and Analytics: ELK (Elasticsearch, Logstash, Kibana)

Security: Implemented measures to address OWASP Top 10 vulnerabilities, ensuring the application's security and protecting user data.

▪#Consegna (In-house Product)

Reporting Application for Riders

- ▷ Designed and developed HTTP server as the backbone of the reporting application, facilitating efficient communication.

- ▷ Implemented robust tracking system for real-time location monitoring of individual riders, optimizing logistics management.
- ▷ Resolved timezone issues through implementation of a timezone handling mechanism for accurate and consistent data.
- ▷ Developed comprehensive reporting system generating monthly reports for individuals.

Technologies: Node, Postgres, Redis, AWS



Software Engineer

Remotebase

Jul 2019 - Nov 2020 (1 year 5 months)

•#Outsourced to Dupont Studios, USA (Remote), for Dreamy DC:

Dreamy DC is an e-commerce store featuring 5 products.

- ▷ Worked on the development of the delivery system, ensuring efficient and reliable product delivery.
- ▷ Integrated a spatial database for geographic calculations, enabling optimized calculations for riders in virtual regions to efficiently handle orders.
- ▷ Implemented Redis as a queuing server to handle delayed jobs and ensure seamless order processing.
- ▷ Generated insightful reports from the production database by leveraging custom scripts and data analysis.

Technologies: Node.js, PostgreSQL, POSTGIS, Sequelize, Twilio.

•#Instapay (In-house Product):

Mobile wallet application using easypaisa payment gateway

- ▷ Independently designed and developed robust APIs using Google Cloud Functions for efficient data exchange and third-party integration.
- ▷ Constructed reliable and scalable backend system using Node.js and industry best practices for data storage, processing, and retrieval.
- ▷ Integrated Twilio API for smooth communication and real-time notifications through SMS and messaging.
- ▷ Integrated easypaisa payment gateway for smooth funds delivery among the parties.

Technologies: React Native, JavaScript, Node.js, Google Cloud Functions, Twilio, Easypaisa payment gateway

Mobile Application Developer:

•# Worky (In-house Product):

Worky is an asynchronous communication SaaS tool for remote and distributed teams.

- ▷ Led end-to-end development of a robust mobile application, from ideation to successful deployment.
- ▷ Wrote comprehensive unit tests for all application components, ensuring stability and minimizing bugs.
- ▷ Implemented two-way data binding, enhancing user experience and simplifying data synchronization with backend systems.

▷ Collaborated closely with internal Intel team, leveraging their feedback to refine the application and create a beta version meeting their requirements.

Technologies: Java, XML, Android Studio, JUnit.

Education



National University of Sciences and Technology (NUST)

Bachelor's degree, Computer Engineering

2015 - 2019

Licenses & Certifications



6-Figure Blockchain Developer - EatTheBlocks



The Ultimate Docker Course - Code With Mosh

cert_lm1x9rh



The Ultimate Javascript Mastery - Code With Mosh

cert_pc34cfnc



MongoDB Certified Developer, Associate (C100DEV) - Academind