

Lucian Balan *Full stack developer*

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Profile

Highly experienced, solution-oriented professional with over 9 years of distinguished background in overseeing all aspects of the Software Development Life Cycle (SLDC), from extensive analysis and design to execution and maintenance. Proficiently utilizes a variety of Java technologies to deliver high-quality, cost-effective applications/systems to increase organizational efficiency and productivity. In particular, we have carried out many map-related projects using Mapbox, Openlayers, and OpenStreetMap in the fields of education, logistics, retail, agriculture, and IoT. I also experienced various Web3, NFT, DApp, and De-Fi technologies from blockchain startups. I am passionate about always staying on top of the latest trends and technologies to provide cutting-edge solutions that drive business growth and success.

Professional Experience

Blockchain Developer

Raini Studios ✕

04/2020 – 09/2023
remote, Australia

- Experienced in building NFT marketplaces and DeFi/DApp development with token protocols such as ERC20, ERC21, ERC721, ERC-1155, and OpenSea.
- Developed smart contracts for NFT minting and token transfer.
- Expertly integrated web3.js with React front-end to create a robust and secure communication channel for sending and receiving API requests and events with smart contracts and custom backends.
- Designed and developed over 100 visually stunning and highly functional components using SCSS and React custom hooks.
- Wallet development (HOT /COLD/ETHER/P2P/ ETH WALLET)
- Integrated Cryptocurrency In Website

Senior Full-stack developer

Education Revolution LLC ✕

02/2021 – 05/2023
Remote,
United States

- Maintained and revamped K-8 education website for kids with Java and frontend technologies.
- Implemented dashboard and educational playground with Mapbox.
- Analyzed requirements and developed new micro-services using Spring boot / Struts / Golang Gin / Nest.js.
- Configured Java backend with Spring Security for authentication and authorization purposes.
- Actively involved in the design and preparation of JUnit tests for better quality of the micro-services.
- Maintained load-balanced education backend infra using Zookeeper, Apache Kafka, RabbitMQ, Hadoop and HAProxy/Nginx.

- Developed and revamped 70+ frontend pages to provide elegant data visualization with TypeScript, React, Angular and Vue.js which are interacting with Restful APIs, - Apollo GraphQL and Web Socket.
- Developed performance-optimized React components with hook, memo and Redis caching, improved frontend performance by 30%.
- Modulized authenticated AJAX and third-party API access code by React hook.
- Designed and implemented payment plan models for different types of users and integrated Chargebee subscription with their APIs and webhooks to ensure smooth and - efficient payment processing.
- Implemented frontend unit tests using Jest / Enzyme and E2E testing using Cypress.
- Reviewed code, debugged and corrected issues, and merged 700+ pull requests with Github, ensuring the quality and stability of the codebase

Full-stack developer

Reliable Couriers 

- Developed new architecture of Phoenix 's leading delivery service, increased sales rate by 30%
- Implemented advanced planning and tracking dashboard with Google Map and Mapbox and processed geolocation data.
- Writing Restful APIs and microservices to meet product needs using Spring Boot, Struts, Golang and Swagger.
- Lead 3 junior developers, analyzed product requirements and defined OOP and AOP modules for several novel microservices.
- Designed web applications with Spring MVC, JDBC / Hibernate for data persistence, HQL for data manipulation, and Spring Security for user authentication.
- Developed multi-threading microservice for order service with Golang channels and goroutines.
- Implemented load balance with HaProxy/Nginx and established a wellstructured message queue system with Apache Kafka, improved overall system performance by 50 %.
- Implemented Unit and integration tests for Java backend using JUnit and Mockito.
- Designed and launched multiple client websites using rich front-end technologies to build dynamic UIs.
- Developed various kinds of frontend using Angular.js, React.JS, Vue.JS, Next.JS and Nuxt.JS which integrated with GraphQL and Rest APIs.
- Implemented unit test cases for frontend components using Cypress and Jest.
- Performing Code Reviews and QA with the team, and design reviews with the requirements.

09/2017 – 12/2020

Remote,
United States

Education

Master degree in Computer Science

Universitatea Transilvania din Braşov

05/2012 – 05/2016

Brasov, Romania

Skills

Languages

● ● ● ● ●

PHP, Python, JavaScript, Java, TypeScript,
Golan, C#, Ruby

Frontend

● ● ● ● ●

HTML/CSS, jQuery, React, Vue, Angular,
Next, Nuxt, TailwindCSS

Devops

● ● ● ● ●

Github, GitLab, Docker, BitBucket, Rravis,
Jenkins

Others

● ● ● ● ●

Amazon Web Services, Webpack, Babel,
NPM

WEB GIS

● ● ● ● ●

Google Map, Mapbox, OpenLayers, Carto,
Leaflet, OpenStreetMap

Backend

● ● ● ● ●

Laravel,Django,Flask,Node,Express, Nest,
ASP.NET, Java Spring/Hibernate

Database

● ● ● ● ●

GraphQL, MongoDB, PostgreSQL, MySQL,
Redis