United States • [TPATRICKRUMANZI@GMAIL.COM](mailto:TPATRICKRUMANZI@GMAIL.COM)

# Patrick Tuyiringire

Software Engineer

## Professional summary

Software Engineer with 5+ years of experience in full-stack development, specializing in React, Node.js, Python, and Java. Experience in optimizing applications performance, working with teams, and delivering scalable, user-friendly solutions.

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| Employment history **Front end EngineerMay 2024 - Present**  ***Quality Living IncOmaha, NE***  Leveraged expertise as Software Engineer to ensure robust performance and scalability across the systems, contributing to maintenance and enhancement of user-friendly platform built in React. Managed hosting, deployment, and backend logic improvements with Node.js and Express   * Developed and optimized webpages using React, Redux, and SQL integration via RESTful APIs developed with express, * Migrated from React Class to functional components using Hooks, improving page load speed by almost 2x faster. * created tests Vitest to ensure platform reliability. * Developed healthcare platform for medical equipment and rehab tools with React.js, Redux, and TypeScript, optimized for mobile and desktop platforms with media query, flex box and grid on react components. * Established network of 100+ insurance payers to enhance cost efficiency ,easy tracking of different payer sources. * Developed tool to compare medical expenses and equipment costs, aligning with cost-effective care. * Provided advanced feedback system for families and healthcare teams to share recovery progress and documents. * Mentored junior developers about best practices and agile methodology decreasing features delivery time from months to weeks.   **Coding Expert for AI TrainingJan 2022 - Apr 2024**  ***Scale AI, via OutlierRemote, United States***  Used Prompt engineering skills to craft and answer questions related to software engineering, enhancing accuracy of generative AI models.   * Evaluated and ranked different AI-generated code in Java, Python, JavaScript/TypeScript, providing detailed feedback to improve the quality, functionality and addressed security issues in code generated by models. * Maintained attention to detail in grammar, punctuation, and style guidelines, ensuring clarity and professionalism in all code examples and prompts. * Collaborated extensively with machine learning experts to enhance the AI's ability to understand and generate code, improving model performance. * Participated in regular discussions aimed at reducing biases and promote fairness in AI-generated codes.   **Backend DeveloperMay 2019 - Mar 2022**  ***Breezend technologiesRemote, US***  Contributed to optimization of a scalable eCommerce platform mainly as a Backend Developer, focusing on building and maintaining REST APIs, improving system performance  •Developed 15+ REST APIs for sellers' CRUD operations to manage listings, handle orders, and interact with inventory using Java and Spring Boot framework in the first month.  • Modernized Legacy APIs to OpenAPI Schema 3 RESTful APIs standard format to describe request parameters, responses, authentication methods optimizing overall system architecture  • Created unit tests to verify many individual parts of the application including adding products to the cart, calculating discounts.  • Utilized Mockito to test business logics mock external services, including inventory management systems  • Enhanced security measures with Spring Security with JWT-based authentication and encryption to protect sensitive.  •Implemented CI/CD pipelines, automating testing and deployment for faster feature delivery, and ensure zero downtime during high traffic promotions time  • Utilized Splunk for logging, performance monitoring, and error tracking.  •Implemented Elasticsearch to enhance product search functionalities, enabling fast, accurate search based on keywords. Education **B.S. in Integrated ScienceAug 2018 - May 2022**  ***University of Nebraska-LincolnLincoln, NE***  Coursework: Calculus, Algorithms and data structures, Operating Systems ,Computer Networks, Cybersecurity.  **Backend Java Developer Oct 2022 - May 2023**  ***PerscholasRemote, United States***  Skills: Lambda ,Java, Spring Boot, Spring MVC, Hibernate, Maven, Junit, MySQL,  **Software EngineeringJan 2017 - Jun 2018**  ***FreecodeCamp***  Front end Technologies :Web design, HTML, CSS, JavaScript, React, Responsive design Bootstrap, tailwind CSS, Material UI, Kendo UI.  Backend Technologies: Node JS, Express, Python, MongoDb Skills Java (Experienced), Python (Experienced), JavaScript (Experienced), Spring Boot (Experienced), React (Experienced), Node.js (Experienced), Django (Experienced), REST APIs (Experienced), Git (Experienced), GitHub Actions (Experienced), Next.js (Experienced), MySQL (Experienced), PostgreSQL (Experienced), Azure DevOps (Experienced), CI/CD (Experienced), Redux (Experienced), React Native (Experienced), Agile (Experienced), Microservices (Experienced), HTML (Experienced), CSS (Experienced), Bootstrap (Experienced), Tailwind (Experienced), Material UI (Experienced). Links GitHub: [github.com](https://github.com/Patrick-250), LinkedIn: [www.linkedin.com](https://www.linkedin.com/in/patricktuyiringirerumanzi?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=ios_app). Portfolio: [https://portfolio-git-master-patrick-tuyiringires-projects.vercel.app](https://portfolio-git-master-patrick-tuyiringires-projects.vercel.app/) Projects **EliteSpace**  ***React Typescript, Express, PostgreSQL ,Supabase, Material UI,VADER and others.***  Smart apartment tenant portal that solves the issues related to tenant experience and tenant retention for apartment companies.  Main Features:   * Digital lease signing & renewals within the app. * Control smart locks & Automated access control for guests (generate temporary digital keys). * Easy one-tap reporting for noise complaints or neighbor disturbances. * AI-based detection of repeated complaints and escalation to management. * Smart package locker integration for secure pickup * Temporary guest parking permits issued via the app.   **Echovibe**  ***React JS, Django, MySQL, WebSockets, NGINX, and Others***  Developing Music, Movies and Chatting app all in One.  Main features:   * Live Streaming/Go Live: ability for users to broadcast their content to others in the app. * Music and Movie Sharing: Users can share music and movies, and allow others to listen or watch along. * Real-Time Chat: A feature for users to chat in real time, * Community Building: building a community through social interactions like live chats and user interactions to create a sense of belonging. * "Your Vibe. Your Stage": The app allows users to express themselves and create a unique experience. |
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