BANOBE PASCAL

E-mail: **banobepascal@gmail.com** | **Linkedin** | **Github** | **Portfolio**

SENIOR SOFTWARE ENGINEER

Summary

Results-driven Senior Software Engineer with over six years of extensive experience in architecting, developing, and deploying cutting-edge web applications. Adept at leading cross-functional teams to deliver scalable and high-performance solutions that align with business objectives. Expert in leveraging modern technologies like JavaScript, React, Node.js, TypeScript, Next.js, React-Native and Redux to enhance user experience and optimize system performance. Demonstrated success in driving product innovation, reducing operational costs, and accelerating time-to-market for high-impact projects. Proven leader with a deep understanding of Agile methodologies, dedicated to mentoring junior engineers and fostering a culture of continuous improvement.

Work History

10/2022 - Present
Senior Software Engineer & Tech Lead
Uncover Africa, Nairobi
- Architected and developed a microservices-based architecture using Node.js, Redis, and MongoDB, allowing for scalable and maintainable backend services, which improved the platform's ability to handle increasing traffic.
- Enhanced the front-end application by leveraging React.js, Redux, and TypeScript to create a highly responsive user interface, incorporating lazy loading and code splitting to reduce initial load times by 30%.
- Integrated real-time features using WebSockets and server-sent events, enabling instant updates for users on booking statuses and availability, contributing to a 20% increase in user engagement.
- Implemented automated CI/CD pipelines using Jenkins and Docker, ensuring consistent and error-free deployments across development, staging, and production environments.
- Mentored a team of junior engineers, establishing best practices in code quality, performance optimization, and automated testing, leading to a 40% reduction in production issues.

12/2021 - 11/2022
Senior Frontend Engineer
Attune, New York, Remote
- Designed and implemented a scalable onboarding framework using React.js, Material UI, and Redux to handle the diverse requirements of financial institutions like Allies Community Bank, Breakout Capital, and Straton Equities. This framework included dynamic form generation, conditional logic flows, and state management, enabling rapid customization and integration for each client.
- Led the integration of critical financial data APIs, including TransUnion, Finicity, and Argyle, with secure data validation layers in TypeScript. This approach ensured accurate and secure financial data ingestion, reducing onboarding time by 25% and enhancing overall platform reliability.
- Developed custom data validation schemas using Formik and Yup to handle complex financial data inputs. These schemas ensured high accuracy, reducing data entry errors by 30% and maintaining strict compliance with industry standards, crucial for fintech operations.
- Collaborated with UI/UX teams to optimize user flows for key fintech tasks, such as loan applications, using React Router and Lazy Loading. This optimization improved navigation efficiency and reduced load times, resulting in a 20% increase in user engagement and satisfaction.
- Established an automated testing pipeline with Jest, Cypress, and CircleCI tailored for fintech applications. This setup ensured rigorous testing of transaction processes and data security, maintaining high standards of platform reliability and reducing critical production errors.

06/2021 - 11/2021
Junior Frontend (React) Developer
Allerin, CBD Belapu, Remote
- Led a comprehensive frontend refactor of the SuperSwift application, transitioning from a monolithic structure to a modular React-based architecture, improving maintainability and enabling faster feature development.
- Optimized the Redux store for better state management by normalizing data structures and implementing memoization techniques, reducing unnecessary re-renders and improving application performance.
- Developed and integrated a robust form validation system using custom hooks and Formik, ensuring data integrity and reducing user input errors by 90%.
- Enhanced the build process with Webpack optimizations, including tree shaking and code splitting, resulting in a 25% reduction in bundle size and faster page loads.
- Implemented mobile-first design principles, optimizing the application's UI/UX for various devices and screen sizes, which increased mobile user retention by 40%.

06/2018 - PRESENT
Freelance Web developer - Remote
- Managed stakeholder relationships by closely collaborating with clients to understand their business goals, technical requirements, and user needs, ensuring alignment between the delivered solution and client expectations.
- Conducted in-depth research and competitive analysis to identify industry trends and user behavior, allowing for the design of innovative solutions that drive client business growth and enhance user engagement.
- Led end-to-end project management, from initial client consultation and requirements gathering to planning, development, and deployment. Ensured projects were delivered on time, within budget, and to the highest quality standards.
- Developed custom web applications using a robust stack of technologies including React.js, Node.js, React-Native and TypeScript, tailored to meet the unique needs of clients across various industries such as e-commerce, finance, and education.
- Built and maintained robust backend services using Node.js and MongoDB/PostgreSQL, ensuring secure and efficient data handling, high availability, and scalability of client applications.

Personal Projects

ThemeAlchemy - themealchemy.com
Creator & Developer
- Developed and launched a comprehensive platform offering Free and Premium Landing Pages, Multi-page themes, and UI Kits tailored for freelancers, developers, businesses, and personal projects.
- Developed the frontend using Next.js and Tailwind CSS, focusing on performance optimization and responsive design to provide an exceptional user experience across all devices.
- Integrated third-party payment gateways and developed custom plugins to support a seamless purchase and download process, leading to a 150% increase in conversion rates.
- Designed and implemented the platform's backend using Node.js and PostgreSQL, ensuring secure and efficient data management for user accounts, purchases, and theme downloads..
- Implemented server-side rendering (SSR) to improve SEO and initial load times, boosting organic traffic by 30% within the first few months of launch.

Skills

Frontend Technologies: JavaScript (ES6+), TypeScript, React.js, React Native, Next.js, Redux, MobX, HTML5/CSS3, AntDesign, Tailwind, Material UI, Webpack

Backend Technologies: Node.js, Nest.js, Express.js, MongoDB, PostgreSQL, Redis, GraphQL, RESTful APIs, Linux, CI/CD Pipelines

Cloud & DevOps: AWS, Docker, Kubernetes, Jenkins, Git, GitHub, GitLab

Performance Optimization: Scalable Architecture, Code Optimization, Web Performance Tuning

Testing & QA: Jest, Cypress, Mocha, Chai, Automated Testing, End-to-End Testing

Project Management: Agile/Scrum, Team Leadership, Mentorship, Cross-Functional Collaboration

Education

JUNE 2018 - DECEMBER 2022
Higher Diploma in Software Engineering

Aptech Computer Education - Kampala, Uganda

JULY 2021 - SEPTEMBER 2021
Coding Bootcamp: Software Engineering

Andela - Kigali