AUSTIN MULA

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PROFESSIONAL SUMMARY

Fullstack Engineer with 4+ years of experience delivering end-to-end web and mobile solutions across ERP systems, enterprise platforms, and digital agency environments. Proficient in modern JavaScript stack (React.js, Next.js, Node.js, Express.js) with hands-on experience in database design, API architecture, and system integration. Built 15+ production modules from database schema to UI deployment, consistently delivering features that improved performance by 25%, reduced API response times by 40%, and scaled to support 100K+ users.

TECHNICAL SKILLS

- **Languages & Core:** JavaScript (ES6+), TypeScript, HTML5, CSS3, Sass/SCSS, PHP
- **Frontend Frameworks:** React.js, Next.js, Vue.js, Nuxt.js, React Native, Expo
- **State Management:** Redux, Redux Toolkit, Context API, Zustand
- **Backend & APIs:** Node.js, Express.js, RESTful APIs, GraphQL (exposure), JWT, OAuth 2.0
- **Databases:** MongoDB, PostgreSQL, MySQL, Firebase, Redis (caching)
- **ORMs & Query Builders:** Mongoose, Sequelize, Prisma (exposure)
- **DevOps & Infrastructure:** Docker, Git, GitHub Actions, CI/CD pipelines, Vercel, AWS (S3, EC2), DigitalOcean
- **Testing & Quality:** Jest, React Testing Library, Postman, API testing, Unit & Integration testing
- **Tools & Platforms:** Webpack, Vite, Babel, Nginx, PM2, Postman, Figma, Jira
- **Additional Backend:** Laravel, PHP (MVC architecture)
- **Methodologies:** Agile/Scrum, API-First Design, Microservices Architecture (exposure), Test-Driven Development

PROFESSIONAL EXPERIENCE

Nathan Digital | Mid-Senior Web Developer

January 2024 - Present | Nairobi, Kenya

- **Architected and delivered 15+ modules for a custom in-house ERP system** using Next.js, Node.js, Express.js, and MongoDB/PostgreSQL, covering HR, inventory, procurement, and reporting workflows, serving 100K+ monthly active users
- **Designed and implemented RESTful APIs** for 8+ ERP modules, creating 100+ endpoints with proper authentication, validation, error handling, and rate limiting, achieving average response times under 200ms
- **Built database schemas and data models** using MongoDB and PostgreSQL, implementing indexing strategies, relationship mapping, and query optimization that reduced database query times by 40%
- **Developed secure authentication and authorization systems** implementing JWT-based auth flows, refresh token rotation, role-based access control (RBAC), and OAuth 2.0 integration supporting multi-tenant architectures
- **Reduced application load times by 25%** through fullstack optimization including API response caching with Redis, database query optimization, CDN integration, image compression, and code splitting strategies
- **Led technical architecture decisions** for the ERP platform serving 10K+ users, establishing API design patterns, database normalization standards, error handling conventions, and deployment

workflows adopted by 3-person development team

- **Implemented CI/CD pipelines** using GitHub Actions and Docker, automating testing, builds, and deployments that reduced release cycles from 2 days to 4 hours while maintaining zero-downtime deployments
- **Engineered data synchronization systems** between frontend applications and backend services, implementing WebSocket connections for real-time updates, optimistic UI patterns, and conflict resolution strategies
- **Drove SEO and performance initiatives** that increased organic traffic by 35% through server-side rendering (SSR), meta tag optimization, structured data implementation, and Core Web Vitals improvements
- **Mentored 3 junior developers** on fullstack development practices including API design, database modeling, security best practices, and Git workflows, conducting code reviews that improved team code quality by 30%
- **Integrated third-party services** including email services (SendGrid), cloud storage (AWS S3), analytics platforms (Google Analytics, Mixpanel), and notification systems across ERP modules
- **Established system monitoring and logging** using PM2, Winston, and custom error tracking, reducing mean time to resolution (MTTR) for production issues by 60%

Cytonn Investments | Software Engineer

December 2022 - January 2024 | Nairobi, Kenya

- **Developed fullstack features** for investment products platform using Vue.js, React.js frontend with Laravel/PHP backend, serving 15K+ active users across Money Market Fund, High Yield Fund, and project notes products
- **Built and maintained RESTful APIs** using Laravel (PHP) for fund subscriptions, returns tracking, and user authentication, creating 50+ endpoints with comprehensive input validation and error handling
- **Designed database schemas** for multi-product application handling fund portfolios, subscription records, returns calculations, and user management, ensuring data integrity and optimal query performance
- **Implemented cross-platform mobile applications** using React Native integrated with Laravel backend APIs, building end-to-end features from database queries to UI rendering for iOS and Android platforms
- **Optimized backend performance** by implementing database indexing, query optimization, and caching strategies (Redis) that reduced API response times from 800ms to 300ms for complex fund returns calculations
- **Developed real-time notification system** using WebSockets and Laravel Broadcasting, enabling instant updates for fund performance changes, transaction confirmations, and system alerts to 5K+ concurrent users
- **Collaborated with cross-functional team** of designers, frontend developers, and backend engineers to deliver 20+ features across web and mobile platforms, participating in API contract design and system architecture discussions
- **Implemented comprehensive API documentation** using Swagger/OpenAPI, creating interactive documentation that reduced integration time for frontend developers by 40%
- **Conducted system integration testing** across frontend, backend, and database layers, identifying and resolving 30+ critical bugs related to data consistency, race conditions, and API contract mismatches

Jenzabar (at USIU-Africa) | Junior Frontend Developer

May 2022 - December 2022 | Nairobi, Kenya

- **Built frontend features** for educational ERP system using React.js, integrating with existing backend APIs to deliver student portals, course management interfaces, and administrative dashboards serving 3K+ users
- **Integrated REST APIs** for student enrollment, grade management, and course catalog systems, implementing proper error handling, loading states, and data validation on frontend layer
- **Developed 20+ responsive UI components** translating Figma designs into production code with pixel-perfect accuracy, ensuring cross-browser compatibility and mobile responsiveness
- **Collaborated with backend team** to define API contracts and data structures for new features, participating in technical discussions about request/response formats and error handling strategies
- **Debugged fullstack issues** spanning frontend rendering problems, API integration bugs, and data inconsistencies, gaining hands-on experience with browser DevTools, network inspection, and API testing tools
- **Contributed to codebase improvements** by refactoring legacy code, implementing React Hooks, and modernizing component architecture that improved code maintainability and reduced technical debt
- **Participated in Agile development process** including sprint planning, daily standups, and retrospectives, learning collaborative development practices and version control workflows with Git

KEY PROJECTS

Custom In-House ERP System | Nathan Digital

Tech Stack: Next.js, Node.js, Express.js, PostgreSQL, Redis, JWT, Docker

- Architected and delivered end-to-end ERP platform with HR management, inventory tracking, procurement workflows, and executive reporting modules serving 10K+ internal users
- Designed scalable database schema with 15+ normalized tables handling complex inter-departmental relationships, approval chains, and audit trails
- Built comprehensive REST API with 80+ endpoints including authentication, role-based access control, inventory management, and administrative functions

Investment Products Platform | Cytonn Investments

Tech Stack: React Native, Laravel (PHP), MySQL, Redis, React Navigation, Pusher

- Delivered fullstack mobile application (iOS/Android) for Cytonn's investment products including Money Market Fund, High Yield Fund, and project notes, enabling users to invest, track returns, and manage portfolios
- Built backend API handling fund subscriptions, returns calculations, document management, and payment processing with 50+ endpoints
- Designed database architecture supporting 15K+ users with proper data isolation, fund-level accounting, and performance optimization
- Implemented real-time features using Pusher for instant fund performance updates and transaction notifications across mobile and web platforms

EDUCATION

United States International University - Africa | Nairobi, Kenya
Bachelor of Science in Applied Computer Technology | *January 2019 - September 2022*
GPA: 3.65/4.0