Jeffrey Bernadas

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Portfolio: jeffreybernadas.com   **LinkedIn:** linkedin.com/in/jeffreybernadas   **GitHub:** github.com/jeffreybernadas

TECHNOLOGIES

- **Programming Languages:** TypeScript, JavaScript, CSS, Sass
- **Libraries & Frameworks:** React.js, Next.js, Nest.js, Loopback.js, Node/Express.js, TailwindCSS, Styled Components, Redux Toolkit/ Query, Jest, React Testing Library, Prisma, Sequelize
- **Tools & Platforms:** Docker, Keycloak, RabbitMQ, Swagger, Redis, Elasticsearch, MongoDB, MySQL, PostgreSQL, Socket.IO, Storybook, Microfrontend, Microservices, REST API, SonarQube, Git, CI/CD, Linux

EXPERIENCE

Fullstack Developer at Ascendion (Collabera) | Makati City, Philippines   Sept. 2022 - Present
- Deployed to one of the leading financial institutions in the Philippines to develop and maintain online banking applications.
- Contributed in the migration of online transaction features from OTP-based to Appkey-based security.
- Developed a Proof of Concept utilizing Microfrontends architecture for improved reusability and scalability across applications.
- Built a design system with reusable components and brand-specific design tokens for consistent UI across multiple applications.
- Created private npm packages for standardized theming and UI assets, including components, icons, logos, and images.
- Developed a back office module for account blocking and unblocking to prevent fraudulent activities.
- Collaborated with business analysts, leads, and cross-functional teams to analyze, design, and implement features based on technical specifications.
- Participated in sprint planning, user story walkthroughs, and task breakdown sessions to ensure timely delivery.
- Conducted unit testing and self-testing to ensure bug-free and secure feature delivery.
- Deployed features across DEV, SIT, and UAT environments, coordinating with DevOps and QA teams.

Fullstack Developer at Freelance | Surigao City, Philippines   2021 - Sept. 2022
- Translated PSD designs into high-quality web pages, ensuring a seamless user experience.
- Designed wireframes and prototypes for client presentations and feedback.
- Collaborated with co-developers to develop custom systems and IoT solutions for students capstone projects.

EDUCATION

Bachelor of Science in Computer Engineering, *Surigao State College of Technology*   **2018 - 2022**
RA 7687 DOST-SEI Scholar | Dean's Lister Awardee

PROJECTS

Server Infrastructure | Full Stack Developer | Live URL
A self-managed server infrastructure hosted on Netcup, running on Ubuntu 22.04 LTS

- Hosts my personal websites, several full-stack applications, databases, and lots of various services.
- Utilizes Docker for containerization and Coolify as a self-hosted PaaS for simplified deployment and management.
- Cloudflare for DNS management and CDN, and SSL/TLS encryption with automatic certificate renewal.

Minifi | Full Stack Developer | Github URL | Live URL
A full-stack URL shortener platform designed with enterprise-grade and SASS potential features

- URL shortener with tiered access, featuring custom aliases, analytics with geo heat maps, and real-time WebSocket chat.
- Implemented dual-process architecture with RabbitMQ queues, 8 automated cron jobs, and AI-powered malicious URL detection using OpenAI GPT-4o-mini.
- Integrated Keycloak SSO with 4 social logins, custom-themed authentication pages, and role-based access control.
- Built comprehensive observability stack with Elasticsearch, Kibana dashboards, Elastic APM distributed tracing, and Sentry error tracking.
- Developed Stripe subscription system with automated usage limits, billing portal, and 9 React Email transactional notification templates

Core Components | Full Stack Developer | GithubURL | Live URL | Storybook
A personal component library and design system demonstrating modern frontend architecture and microfrontend distribution

- A component library with 25+ shadcn/ui components, custom React hooks, and theming support via Tailwind CSS v4.
- Implemented dual distribution strategy using Webpack 5 Module Federation for microfrontend consumption and npm package publishing with tree-shakeable exports
- Developed complete design system workflow with automated CI/CD pipeline that deploys to npm and Github (Storybook) on pull requests, featuring TypeScript definitions, CVA variants, and comprehensive utility hooks collection.