Love | Backend First MEAN Stack Developer

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Experience

Solutions Tree | Backend First MEAN Stack Developer (August 2024 - Present)

- Built a custom **sync library using AWS SQS from scratch** to enable seamless, real-time data sync between Storefront (Node.js) and Marketplace (OpenCart PHP)
- **Built** storefront-client-lib **(TypeScript npm package) to map and transform backend data for frontend needs, enabling seamless multi-frontend - multi-backend integration.**
- **Faced issues with inconsistent data flow and race conditions**; resolved through queue management, idempotent handlers, and structured message contracts.
- Built and scaled RESTful APIs for Storefront (MEAN stack) enabling product, order, and payment flows, resulting in faster checkout process.
- **Integrated OTP-based passwordless login using metadata links**, reducing user drop-offs and improving authentication experience.
- **Tackled legacy system limitations** in Marketplace (OpenCart PHP) by **modularizing code and optimizing DB queries**, enhancing performance and maintainability.
- Solved role-based access and store-level configuration challenges using dynamic backend schemas.
- Learned and applied NestJS principles, followed clean code, version control, and API design best practices to ensure scalable development.
- Led **TypeScript-first backend development** for the Storefront platform, **ensuring type safety, reducing runtime bugs, and improving developer efficiency.**

Skills

- **Languages**: **TypeScript, JavaScript, HTML5, CSS3,**
- **Frameworks & Database**: **NodeJs, Angular, Opencart**
- **Tools**: **Jira**, **Git-GitHub**, **Postman**, **Confluence**
- **Databases & API**: **SQL**, **MongoDB, RESTful APIs**
- **Languages & Familiar with**: NEST, AWS S3, AWS SQS, Stripe-Razorpay Payment gateways, PHP, SMS-Whatsapp Integrations

Latest Relevant Project

Secure OTP/Password Less Login

- **Developed metadata-embedded links** include user data, **authentication and contextual information**, directing users to specific content or services post-auth
- Integrated in the FoodBridge's e-commerce web-app, improving user experience by simplifying the login process while maintaining robust security
- **Tech Stack:** NodeJS, MongoDB, RESTful API's

Education

Diploma in Computer Science	**2021-2024**
Seth Jai Parkash Polytechnic	**CGPA: 8.6/10**