

Roadmap: Build a Fullstack Web App with Vue

Phase 1: Frontend Development (Vue 3 + Vite)

1. Learn Vue 3 Composition API (ref, reactive, lifecycle hooks)
2. Learn Vue Router for navigation
3. Learn Pinia for state management
4. Use Tailwind CSS for styling
5. Set up Vite project with all necessary dependencies

Phase 2: Backend Development (Node.js + Express)

1. Learn Node.js fundamentals (async, modules)
2. Build REST API with Express.js
3. Use PostgreSQL with Prisma ORM
4. Set up basic CRUD operations
5. Implement authentication with JWT or Auth middleware

Phase 3: Fullstack Integration

1. Connect frontend to backend using Axios/Fetch
2. Handle authentication and protected routes
3. Display dynamic content from the database
4. Add form validation and error handling

Phase 4: Deployment

1. Choose a VPS (Hostinger recommended)
2. Use PM2 to run Node.js backend
3. Use Nginx for reverse proxy and HTTPS (Let's Encrypt)
4. Deploy frontend (Vue build) and serve via Nginx
5. Configure domain and SSL

Optional Enhancements

1. Add real-time features with Socket.IO
2. Use Docker for containerized deployment
3. Set up CI/CD pipeline with GitHub Actions
4. Add image uploads (e.g., Cloudinary or S3)