



VANITHA P

SENIOR SOFTWARE ENGINEER

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<https://github.com/Vanitha-P>

386, CAS Nagar, Avaniyapuram, Madurai-12

<https://leetcode.com/u/Vanitha-P>

<https://vanitha-mern-portfolio-client.vercel.app>

PROFESSIONAL SUMMARY

Dynamic Backend Developer with 4+ years of experience in software development. Dedicated to creating scalable and high-performance server-side applications. Proficient in building seamless APIs. Passionate about solving complex problems, delivering robust systems and thriving in collaborative environments. Let's build something exceptional together.

EXPERIENCE

SENIOR SOFTWARE ENGINEER I

Mar 2025 to Present

PHOTON INFOTECH - CHENNAI - 600039

- Backend Development (NodeJS, NestJS, Redis):** Developed and implemented concierge module for the **Avis First Car Rental LLC** client.

AVIS FIRST - CAR RENTAL APP

- Design Pattern:** Implemented Strategy and Abstract Factory patterns.
- Jest:** Maintained 95%+ coverage using Jest
- Mockoon:** Created mock APIs with Mockoon for faster integration.

SENIOR SOFTWARE DEVELOPER

July 2024 to Jan 2025

FUTURE FOCUS INFOTECH PVT LTD - CHENNAI - 600032

- Backend Development (NodeJS, Express/Nest, PostgreSQL, Redis):** Developed and implemented 15 key features for the **Comviva's Momo payment app**.
- Bug Fixing & Performance Optimization:** Demonstrated expertise in debugging and resolving complex issues, improving application stability and performance.
- Dedicated Backend Support:** Provided continuous backend support, working off-hours to ensure project deadlines were met and critical issues were promptly addressed.

MOMO - PAYMENT APP

- express-rate-limiting:** To prevent API abuse and brute-force attacks..
- Helmet:** Secured HTTP headers to protect against web vulnerabilities.
- Swagger:** Integrated Swagger for interactive API documentation and testing.
- JWT:** To secure API access with token-based authentication.
- PostgreSQL:** Stored and managed application data.
- Redis:** Cached data for faster access.

ASSOCIATE SOFTWARE DEVELOPER

Jan 2021 to May 2024

PRUVITY HR SOLUTIONS PVT LTD - MADURAI - 625020

- Agile Collaboration:** Mastering Agile teamwork to orchestrate seamless communication and drive efficient project execution, sprint by sprint. Tool - #JIRA
- Stakeholder Engagement:** Turned business goals into precise technical plans, aligning technology with company objectives.
- Code Craftsmanship:** Wrote clean, high-quality code following industry best practices.
- DB Proficiency:** Optimized MongoDB queries for fast and efficient data handling.
- Agile Adaptability:** Adapted quickly to changing requirements, delivering timely features.

- **User Support:** Resolved technical issues swiftly, ensuring a great user experience.
- **Code Quality Assurance:** Maintained code quality through thorough reviews and constructive feedback.
- **Testing Proficiency:** Implemented rigorous testing to identify and fix software bugs, ensuring robust performance. Tool - #Postman.

MTEAMZ - SOCIAL APP

- **Node.js & Express.js:** Optimized APIs using non-blocking operations, RESTful routing, and middleware like JWT(custom), cors(third-party), express.json(inbuilt), error handling(app level) efficiently.
- **MongoDB Compass:** Query testing & verification
- **Mongoose:** Efficient query handling
- **MongoDB Atlas:** Triggers & search indexes
- **Razorpay & Stripe:** Implemented payment processing in order management.
- **Puppeteer:** Automated PDF bill generation
- **ExcelJS:** Bulk product management
- **AWS S3:** Optimized file and image storage/retrieval.
- **AWS SNS:** Sent notifications for Birthday, Anniversary
- **AWS SES:** Sent mail for signup, order confirmation
- **XLSX:** Data reporting & export
- **Socket.IO:** Updated count, listed notifications.
- **Winston:** Implemented logging for error tracking, debugging, and monitoring.

HRBLUSKY - USER PORTAL

- **MVC Pattern(Laravel):** Developed robust APIs using Laravel's MVC architecture.
- **jenssegers/mongodb:** Integrated MongoDB for high-performance data management.
- **tymondesigns/jwt-auth:** Secured APIs with JWT-based authentication.
- **phpoffice/phpspreadsheet:** Streamlined bulk user management.
- **maatwebsite/excel:** Delivered advanced reporting and export tools.
- **barryvdh/laravel-dompdf:** Created polished, professional payslips.
- **aws/aws-sdk-php:** Optimized file and image storage/retrieval.

INTERSHIP

Feb-2020 to Dec-2020

PRUVITY HR SOLUTIONS PVT LTD - MADURAI - 625020

- **Mastered Laravel and MongoDB Basics:** Developed a solid base in Laravel and MongoDB through hands-on project work.
- **Resolved Complex Bugs:** Solved difficult bugs in the HRBlusky project, helping improve the app's performance.
- **Acquired Comprehensive Workflow Knowledge:** Gained hands-on experience in the full development process, from planning to testing.
- **Adapted to Team Dynamics:** Worked closely with team members and quickly adjusted to the team's way of working.

SKILLS

- | | | |
|--------------|----------------|-----------|
| • NodeJS | • Laravel | • NestJS |
| • ExpressJS | • HTML5 | • ReactJS |
| • MongoDB | • CSS3 | • AWS |
| • PostgreSQL | • Javascript | • Jest |
| • Redis | • Tailwind CSS | |

EDUCATION

BE (CSE) - 72 %	2020
Kamaraj College of Engineering and Technology	
HSC - 85 %	2016
M.A.N.U Girls Higher Secondary School	
SSC - 86 %	2014
Neethi Rajan Bharathi High School	

CERTIFICATIONS

React Native Certification from Guvi 20/June/2024

Credential ID: gc11N5x7e54n84871X

Credential URL: <https://www.guvi.in/share-certificate/gc11N5x7e54n84871X>