

GOVARTHANAN VENUNATHAN

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Frontend Engineering Specialist (Cross-Platform Mobile & Web Apps)

PROFESSIONAL SUMMARY:

Senior Frontend Engineering Specialist with 12 years of experience in designing and delivering scalable, high-performance web applications. Specializing in modern cross-platform mobile and web frameworks application development, with a strong focus on technical leadership, architecture design, and mentoring engineering teams. Adept at implementing best practices and driving innovation in large-scale frontend solutions.

CORE COMPETENCIES:

- **Core expertise:** Specialized in cross-platform mobile development using **Flutter** with BLoC and **React Native** with **Redux**.
- **Frontend proficiency:** **Flutter Web, Angular, Vue, React, JavaScript, Typescript, HTML5, CSS3, SASS**. Strong experience with responsive design and Web 2.0 standards.
- **Architecture & Design:** Component-based architectures, microservices, design patterns, scalable solutions
- **Testing & Tools:** Jest unit testing, **Git** version control, Gulp.js bundling.
- **Basic knowledge:** Python, Node.js, MySQL/NoSQL.
- **Project Management:** **Agile** methodologies, full development lifecycle experience.
- **Leadership:** Proven team building and management abilities.

PROFESSIONAL EXPERIENCE:

SOFTWARE ENGINEERING SPECIALIST | BT Group | January 2023 - Present

- Led architecture and development of enterprise-scale applications using Flutter Web and modern frontend technologies
- Architected and implemented "Ask Me Anything" platform integrating Azure OpenAI
- Established coding standards and architectural guidelines for cross-functional teams
- Mentored team members and conducted regular code reviews

TECHNOLOGY LEAD | Infosys Limited | June 2021 - January 2023

- large-scale e-commerce applications using React Native and Redux
- Established frontend development standards and best practices
- Drove technical decisions for optimal performance and scalability

PROFESSIONAL USABILITY ANALYST | DXC Technology | May 2019 - June 2021

- Designed and implemented responsive web applications following WCAG guidelines
- Contributed to frontend architecture decisions and technical documentation.
- Implemented performance optimization strategies and monitoring
- Established UI/UX standards across multiple projects

TECHNICAL EXPERTISE:

Frontend Technologies

- **Programming Languages:** Dart, JavaScript, Typescript
- **Web Frameworks:** React/Redux, Vue/Vuex, Angular 17
- **Mobile Frameworks:** Flutter, React Native,
- **Styling:** SASS, CSS3, Bootstrap, Tailwind
- **Build Tools:** Webpack, Gulp, NPM
- **Testing:** Jest, Unit Testing
- **Version Control:** Git
- **Designing Tools:** Adobe Photoshop, Adobe Illustrator CC
- **IDE:** Visual Studio Code, Android Studio, Xcode

Development Practices

- Component-based architecture
- Web accessibility (WCAG)
- Performance optimization
- Cross-browser compatibility
- Mobile-first design
- CI/CD implementation

ADDITIONAL SKILLS:

- Strong understanding of software design patterns and principles
- Experience with service-oriented architectures
- Expertise in technical documentation and knowledge sharing
- Proficient in performance optimization and debugging

RECENT PROJECTS:

Ask Me Anything (AMA) | BT Group

Tech stack : Flutter Web, Dart, JSON REST API, Azure Open AI, AWS

- Led architecture and development using Flutter Web
- Integrated Azure OpenAI services
- Implemented robust REST API integration
- Established performance monitoring and optimization

BT NXT | BT Group

Tech stack : Flutter, Dart, iOS, Android, JAVA, JSON REST API, AWS

- Architected cross-platform mobile application using Flutter
- Led technical implementation and team coordination
- Implemented scalable state management solutions
- Established coding standards and best practices

EDUCATION:

- Master of Computer Applications, Pachaiyappa's College, Chennai (2012) - 75%
- B.Sc. Computer Science, Jaya College of Arts & Science, Chennai (2009) - 59%