SUSHREE SWAGATIKA

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SUMMARY

As a results-driven engineer, I bring a strong motivation for progress and a proven history in the industry. Demonstrating initiative and reliability, I have successfully implemented strategic initiatives poised to benefit the company.
Committed to continuous self-development, I consistently deliver high-quality, error-free code, staying abreast of software trends and proficient in various languages, frameworks, and programming tools. My dedication lies in exceeding expectations and contributing to the company's success through technical expertise and innovation.

EXPERIENCE

SENIOR SOFTWARE ENGINEER, 08/2022 - 01/2024
Citrix R&D, Bangalore, India
- Implemented rigorous code reviews and diagnostics, integrating OWASP practices to fortify code integrity.
- Orchestrated the creation of strategic test cases, ensuring seamless functionality enhancements.
- Surpassed client expectations through collaborative efforts with development and quality assurance teams.
- Spearheaded software development initiatives as a subject matter expert, serving as the primary point of contact for project management.
- Proactively addressed technical challenges in an agile environment, aligning applications with the latest Xcode version changes.
- Nurtured a culture of excellence by mentoring junior developers, enhancing overall team performance.
- Systematically resolved Jira tickets with comprehensive bug fixes, consistently delivering reliable solutions.
- Crafted well-tested, dynamic code across various programming languages, contributing to the success of diverse software projects.
- Played a key role in sprint planning, adeptly prioritizing backlogs to meet evolving demands and ensuring project success.

SOFTWARE ENGINEER, 08/2020 - 08/2022
Biofourmis India Private Limited, Bangalore, India, India
- Championed agile methodologies, collaborating with product managers, designers, and the QA team to shape an exceptional iOS user experience.
- As a crucial contributor to the SPM team, engineered modularized code, fostering cross-application reusability.
- Formed a strategic alliance with the development team, actively participating in product development, devising application support plans, and leading prototype programs.
- Spearheaded the transformation of outdated code bases, implementing modern development standards, resulting in significant cost reductions and enhanced functionality.

SENIOR SOFTWARE ENGINEER(PART-TIME), 05/2020 - 08/2020

Finsall Resources Private Limited, Bangalore

- Assumed complete ownership of the successful development of "Finsall - Lending App," actively contributing from the initial design phase through to final delivery, adhering to established design patterns.
- Elevated code quality through meticulous unit tests and rigorous code reviews, demonstrating a commitment to excellence.
- Systematically documented software design, meticulously identified faults, discrepancies in project planning, and crucial data for informed decision- making.
- Collaborated seamlessly with project managers, developers and quality assurance team members to proactively resolve technical issues, ensuring the seamless functionality of the application.

SOFTWARE ENGINEER II, 06/2017 - 11/2018

Mirafra Technologies, Bangalore

- Strategically analyzed change requests, translating them into actionable code as the driving force behind bug fixes, new feature implementations, and assigned stories in Team Pulse.
- Collaborated seamlessly with the back-end and design teams to comprehend end-user requirements, shaping effective technical solutions.
- Innovatively prepared and validated test cases for existing modules, optimizing them through extensions, subclasses, and generic functions.
- Revitalized developed modules by re-structuring them in a new architecture and adopting the latest coding styles, aligning with Apple's recommendations for enhanced performance and sustainability.

SOFTWARE ENGINEER, 12/2015 - 05/2017

Indus Net Technologies, Kolkata

- Strategically analysed requirements, crafting optimised data structures and designs to elevate project efficiency.
- Orchestrated seamless integration with backend services, ensuring a super-fast and unparalleled mobile user experience.
- Proactively addressed bugs and enhanced application performance, contributing to the overall success of the project.

SKILLS

- iOS,
- Swift,
- Objective C,
- SPM,
- Widgets,
- Architecture & Design patterns,
- Networking (Alamofire/AFNetworking),
- Core Data
- Localization,
- Version Control(Git,Github,Sourcetree,Pull Request),
- CI/CD with Jenkins,
- Adaptive design,
- OWASP Practices,
- Unit Testing(XCT)
- JSON,
- Notification(Local/Push),
- AWS S3

EDUCATION

Biju Patnaik University of Technology, 06/2011

B.Tech: **Information Technology**

CGPA: 7.39, Have published research papers on the field of Computer Science Engineering in IJCST Journal

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Biju Patnaik University of Technology

M. Tech: **Computer Science and Engineering**

CGPA: 7.94

PROJECTS

Project name: Citrix Secure Mail
https://apps.apple.com/us/app/citrix-secure-mail/id1155203964
Tech: Objective-C, Swift
It is a simple, yet robust email solution that does the job that keeps you connected securely on the go. It offers a rich and customisable experience on your mobile device. With Citrix Endpoint Management, you can also manage the app with security policies that suit your organisation's needs.
Features: Mail functionalities, minimise drafts, personal contact groups, Single sign-on, Teams/Skype/GTM/WebEx meetings, Multiple Exchange accounts, Ability to report phishing emails
Supported mail servers: Microsoft Exchange Server, Microsoft Office 365, IBM Lotus Notes
Contribution:
- Designing, coding, and testing features ensuring functionality, performance, and security.
- Ensuring the application is compatible with the latest iOS versions, devices, and follows Apple's guidelines for UI/UX experience.
- Working closely with cross-functional teams, including designers, product managers, and QA engineers, to deliver a cohesive and high-quality mobile application.
- Identifying and resolving bugs and issues to enhance the stability and reliability on iOS devices.
- Continuously optimizing the app's performance, responsiveness, and resource usage to provide a seamless user experience.
- Participating in code reviews to ensure code quality, maintainability, and adherence to coding standards.
- Creating and maintaining documentation for code, architecture, and processes to facilitate collaboration and future development.
- Addressing user feedback and incorporating necessary improvements or features based on user requirements following Citrix development policies and best practices while contributing to the evolution of the application.

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Project name: DTx HCP
https://apps.apple.com/in/app/dtx-hcp/id1533426310
Tech: Swift
It serves an extension of BiovitalsHFTM DTx to empower registered healthcare professionals to perform personalised, predictive and preventive care for heart failure patients, remotely and safely. It equips registered healthcare professionals with updated and accurate patient information for actionable evaluation. Beyond medications adjustment, medical events management, vitals trend, ePROs score, registered healthcare professionals can video call or text patients to optimise personalised care. To access BiovitalsHF DTx, you must be registered and onboarded by your registered care team.
Contribution:
Patient Data Access: Designing features that provide healthcare professionals with secure access to patient health data, allowing them to monitor progress, adjust treatment plans, and make informed decisions.
- User Authentication and Authorisation: Implementing robust authentication mechanisms and authorisation controls to ensure that only authorised healthcare professionals can access patient data and clinical features ensuring strict adherence to healthcare regulations, particularly HIPAA, to safeguard patient confidentiality and comply with data security standards.
- Clinical Decision Support: Developing features that offer decision support tools to assist healthcare professionals in making informed clinical decisions based on patient data and treatment outcomes from the comprehensive view of a patient's health history.

- Health Analytics: Designing and implementing analytics tools to provide healthcare professionals with insights into patient trends, adherence to treatment plans, and overall therapeutic outcomes.
- Education and Training Features: Incorporating features that support ongoing education and training for healthcare professionals, ensuring they are informed about the latest therapeutic approaches and DTx technologies while staying informed about and ensuring compliance with relevant healthcare regulations, industry standards, and guidelines applicable to digital therapeutics.
- Feedback Integration: Incorporating mechanisms for healthcare professionals to provide feedback on the application's usability, effectiveness, and areas for improvement.

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Project name: BiovitalsHF DTx

https://apps.apple.com/in/app/biovitalshf-dtx/id1529283480

Tech: Swift

It offers you personalised, predictive and preventive care to empower remote monitoring of your heart failure condition.
Post-discharge, your registered care team will be monitoring your health via BiovitalsHF DTx with continuous physiology monitoring while you're at the comfort of your home. Your health data will be collected and processed via BiovitalsTM Analytics Engine while you use BiovitalsHF DTx. This enables your registered care team to receive updated in-depth insights and progression of your health condition.
To access BiovitalsHF DTx, you must be registered and onboarded by your registered care team.

Contribution:

- Health Data Integration: Developing features that integrate with and securely handle health data from various sources, such as wearables or medical devices.
- User Authentication and Authorisation: Implementing robust user authentication and authorisation mechanisms to control access to sensitive healthcare information ensuring that the Biovitals DTx complies HIPAA compliance to safeguard patient privacy and data security.
- User Interface (UI) for Health Metrics: Designing and implementing intuitive user interfaces for displaying health metrics, ensuring a user-friendly experience for patients and healthcare professionals.
- Notifications and Alerts: Incorporating features for real-time notifications and alerts related to health data, medications, or appointment reminders.
- Telehealth Integration: Integrating tele health capabilities within the app to enable remote consultations and monitoring of patients.
- Documentation: Creating comprehensive documentation for code, features, and security measures to support regulatory compliance and future development.