Pavani Tatikonda

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Education

Clemson University   **August 2021 – December 2022(exptd.)**
Master of Science (M.S.) in Computer Science, GPA: 3.9   *Clemson, SC*

Jawaharlal Nehru Technological University   **June 2013 – April 2017**
Bachelor of Technology in Information Technology, GPA: 3.7   *India*

Experience

Graduate Student Assistant   **Dr. Celeste Bates, May 2022 – Present**
Mobile Application Developer   *Clemson University*
- Upgrading the App which was built 7 years ago and has **4000+** Active users, making it stable with the latest frameworks, releasing new version of App in App Store.Developed a feature to save the running records in a cloud platform.
- Working on various technologies and frameworks like **C#**, **iOS**, **Xamarin**, REST-API, MySQL, etc.

Graduate Teaching Assistant   **Prof. Carrie Russell, Dr. Alexander Herzog, August 2021 – May 2022**
CPSC 1010 & CPSC 1020 Computer Science   *Clemson University*
- Assisting **50+** undergraduate students in the C, C++ programming lab and teaching techniques of problem solving.

ACS Solutions   **December 2016 – July 2021**
Software Engineer
- Professional experience of around **4** years as a Mobile Developer worked in Object Oriented development, implementation and maintenance of **Mobile Applications** for legacy and distributed Enterprise applications with the usage of **.NET** technologies in domains namely Food and safety, Health care, insurance, fitness.
- Experienced in Analysis, Design, Integration, Development, Deployment and Maintenance of Mobile applications with the usage of backend like .NET Technology, web Api and front end using **Xamarin** technology, **Swift** for native iOS Application.
- Experience working with iOS frameworks such as Core Data, Core Animation, Core Graphics and Core Text, Core Location, Map kit, Google maps, etc.
- Handled a project as a **primary developer** and guided **two junior developers**.

Technical Skills

Programming Languages: C#, Java, Swift, C, C++, HTML 5, CSS, JavaScript, Python, R, SQL
Databases: MySQl, Oracle, Microsoft SQL server, Yap, MongoDB, CoreData.
Data Science:Pandas, NumPy, Matplotlib, PyTorch, TensorFlow, Scikit learn, Data Visualization, and Machine Learning.
Tools and Platforms: Visual Studio, XCode, SQL, GitHub, Eclipse, PyCharm, Anaconda, Git, TFS, Postman, Atom.
Skills: .Net Framework, Xamarin Forms, Xamarin-Android, Xamarin-iOS, Android, iOS, Design guidelines, Node JS, React JS, Unit Testing, Azure, AWS, Scrum experience, Web Api, MVC Concepts, MVVM, Dependency injection, Offline Sync.

Projects

Fitness App   **March 2020 – July 2021**
- Application integrates with the **Wellvii device** which captures the user's health vitals such as temperature, blood pressure and few other health components. Users can see their progress with the help of gauges and graphs in a dashboard view. The user's data is periodically transferred to the cloud along with support for offline sync functionality.
- **Environment**: Xamarin, **iOS**, **Android**, SQL, Web Api, Azure Devops, GIT, SQL, App Center, MVVM architecture.

Point of Sale Application   **December 2018 – March 2020**
- It is a cloud-based POS system is used by more than **23,000** small businesses in the US and Canada, like retail shops, coffee shops, etc, and implemented role-based authentication and Written unit test cases for all features of the app.
- **Environment**: XCode, Objective-C, Interface-Builder, Cocoa Touch, UIKit framework, MVC architecture, Yap Database, Azure DevOps, RESTful JSON web services, Unit Testing, Scrum experience.

Food Safety and Quality Assurance   **January 2018 – November 2018**
- Checklists with set of questions are created using an admin app. Admin schedules visit and assign to quality assessor then they visits the restaurant and answers the questions in the checklist using the mobile app.
- **Environment**: Xamarin, Web Api, AzureDevOps, Git, SQL, App Centre, RESTful Api, MVVM architecture

Health Insurance Provider and Administrator   **August 2017 – December 2017**
- It is a multitenant application to display different logos for different clients, App helps to view health information based on physicians visit enrolled plans, claims in process and more. Integrated with GoodRx (a third-party API) that retrieves information and cost of drugs based on Location and Written pre-build script to change app configurations dynamically.
- **Environment**: Xamarin, Web Api, Azure Devops, Git, SQL, Visual Studio for windows, RESTful Api, Mongo DB.