



Client

Joe Wheeler, Software Architect

Company Background

Aventura was born in a Denver hospital IT department that completed a desktop virtualization project.

With an understanding of how technology needs to work for the people who deliver clinical care, Aventura built a universal architecture that reaches into all computing layers, creating an architecture that integrates OS, virtual desktops, applications, policy, and printers. Our software is deployed to hospitals nationwide and provides clinicians with a desktop that is aware of where they are, who they are, and what they need to be efficient and deliver quality care (and does it Jimmy John's fast).

Project Overview:

Aventura software delivers desktops and their applications to users based on who they are, where they are and who they are treating. In addition to applications, printers and authentication we would like to allow a clients VoIP phone be aware of the clients context.

Project Goals

Students will be required to develop a mechanism that integrates an Asterisk VoIP system into the existing Aventura system.

- Complete any necessary research as to how to complete the objective
- Create a component that can map Asterisk endpoints to Aventura locations.
- Update both Asterisk and Aventura to allow a telephony endpoint to 'follow' a user.
- Create and document the tools to manage this feature.

Skills Required

- Software Development, specifically .NET (C#)
- Basic C/C++ skills
- Knowledge of Agile Software Development
- Ability to learn and adapt

Student Benefits

This project will give the students experience and knowledge with:

- Architecting and building a software component
- Learning how to integrate complex software
- Practical .NET experience
- Learning the operations of a soft PBX system.
- Interfacing with third party software APIs
- Real world project that can be completed in 6 weeks

Team Size

This project would be suited for a team of 2-3 people.

Location

Students will be expected to spend most of their time at the Aventura office which is in downtown Denver.

Contact

Please contact Joe Wheeler (Joe.Wheeler@aventurahq.com; 1-720-250-9134 x1013) with any questions you have regarding this project.