Sogeti Skills

(Project "beach")

Capstone Project for CIS 440, Fall 2014
Arizona State University

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Client

Sogeti is a wholly owned subsidiary of Capgemini Group. It is an information technology consulting company specializing in local professional services. Sogeti developed the Test Management Approach.

Sogeti was the original name for the entire Capgemini Group, founded by Serge Kampf in 1967. The name was an acronym for "Société de Gestion des Entreprises et de Traitement de l'Information" which, roughly translated from the French Language, means "Company for the Management and Processing of Information". Through the years names included Cap Gemini Sogeti, Cap Programator, Cap Gemini and Cap Gemini Ernst & Young.

In 2002, the Cap Gemini Group founded a subsidiary called Sogeti in six countries to focus on the local IT market. In 2008 the Sogeti Group employed 20,000 people in 15 countries: Belgium, Denmark, France, Germany, the Netherlands, India, Ireland, Luxemburg, Norway, Spain, Switzerland, Sweden, Finland, UK and the U.S. It provides IT and management services with focus on application services, software control testing, infrastructure services and consulting.

Source: "Sogeti." Wikipedia, The Free Encyclopedia. Wikimedia Foundation, Inc. 27 May 2014. Web. 1 Dec. 2014.

Team

JOHN MONJE

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Chandler, AZ 85249
480 231 7552
jsmonje@live.com

SYSTEMS ANALYST SKILLS AND CABABILITIES

- Create system requirements, process definitions, business needs, feasibility studies, and user manuals.
- Direct teams that deliver software and systems integration services.
- Proficient with MS Office, Acrobat, Photoshop, Visual Studio, and C # to produce software solutions.

Education

Bachelor of Science, Computer Information Systems

Arizona State University (Tempe, AZ), Expected graduation December, 2015.

Experience

Manager, Bearing Point Consulting, Phoenix, AZ - 1997-2006

- Generated software training and user manuals.
- Directed teams that provided software development and integration services.

Operations Manager, QWEST Communications, Denver, CO - 1980-1997

- Chaired a national forum to standardize telephone processes.
- Developed and implemented process definitions, work flows, organizational structure and staffing for a start-up telephone company.
- Created requirements specifications, business needs and user manuals.

Staff Sergeant, United States Air Force - 1970-1980

- Deployed, operated, and repaired microwave radios.
- Instructed Radio Relay courses.

Activities

- ASU DISC Club (Department of Information Systems Club)
- ASU Veteran's Club
- Disabled American Veterans – Life Member
- Elementary School volunteer

7310 N 17th Ave
Phoenix, AZ 85021

JOHN WATHEN

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john.s.wathen@gmail.com

To secure a position within an industry leading organization that will allow me to utilize my knowledge of C# and the .NET Framework to develop maintainable and scalable web applications.

TECHNICAL EXPERTISE

Framework: .NET Framework including ASP.NET MVC and WebForms, LINQ, Entity Framework, Windows Communication Foundation, Web Services, Ruby on Rails

Languages: C#, VB.NET, JavaScript with jQuery / jQueryUI, Ruby, C+

Tools: Visual Studio, Team Foundation Server, Git   .

Databases: Microsoft SQL Server, MySQL

PROFESSIONAL EXPERIENCE

U-Haul International, Inc., Phoenix, AZ   **May 2008 – Current**
Lead Software Developer

Responsible for the development and continuous enhancement of U-Haul's multiple intranet and internet web sites featuring ASP.NET, C#, VB.NET, LINQ, Web Services, WCF Services, JavaScript with the jQuery library, and SQL.

- http://uhaulinvestorsclub.com/ : Acted as lead developer for an ASP.NET MVC 2/3 web application on top of Entity Framework 4 that allows investors to purchase and manage debt securities from U-Haul's parent company, AMERCO. Integrated the system with identity verification, Automated Clearing House, and credit card processing services from the U.S. Treasury, Securities and Exchange Commission, and private firms. U-Haul's financial department uses the site's custom content management system to administer the application.
- http://amercorealestate.com/ : Developed the public facing web application and its associated content management system for AMERCO Real Estate Company. The application uses ASP.NET Web Forms on top of Linq to SQL.
- http://www.uhaul.com/ : Developed the site-wide search functionality, box exchange, and SuperGraphics portions of uhaul.com and assisted in the design of the site's overall architecture.
- Developed the core B2C communications platform for U-Haul and its sister companies.   All programmatically generated physical mail, email, and text messages go through this system for scheduling, sending, and auditing. The application was developed using a CQRS/Event Sourcing architecture and uses WCF and OData services for its external API.
- Developed a project request system for internal use that allows upper management to determine priority and resource allocation for IT projects throughout the company. The application was developed with ASP.NET MVC and uses the Microsoft Enterprise Library for its data access solution.

EDUCATION

Bachelors of Science Degree in Computer Information Systems, (current)
    Arizona State University, Tempe, AZ

REFERENCES

References available on request

John Wathen, Software Engineer

Problem

Sogeti asked us to solve two key problems: Who is "on the beach?"and What are those people good at?

Sogeti's Scottsdale office has a room that is informally called "the beach." When one of their consultants is not actively working with a client, he waits on the beach. Account Executives at Sogeti are responsible for pairing consultants with clients and need to know who is available (on the beach) at any given time. Additionally, Account executives need to know what skills the consultants on the beach have. When a potential client calls, Account Executives can use the information stored in the Sogeti Skills database to pair them with an available consultant who has the technical expertise needed to solve their problem.

Sogeti asked that we use the Microsoft web application stack as that's what they're office uses internally.
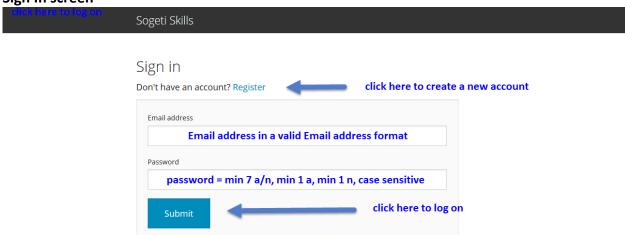
Solution

We developed a small web application to allow both consultants and account executives to access a relation database that stores information about who is on the beach. A demonstration version of the application is hosted at Microsoft Azure and can be seen at https://dev-sogetiskills.azurewebsites.net/.

Technologies used:

- **Microsoft ASP.NET MVC** – the front end is written using ASP.NET and in particular ASP.NET MVC 5. We chose ASP.NET because Sogeti hosts internally using IIS.

- **Microsoft SQL Server and SQL Azure** – All data is stored in a Microsoft SQL Server database. Again, we chose this technology because it matches Sogeti's internal hosting practices. The demonstration application actual runs on a variant known as SQL Azure. While there are some differences between SQL Azure and SQL Server proper, they did not affect our application and we were able to run a single code base against both versions.

- **Bootstrap CSS** – Twitter's Bootstrap CSS framework worked extremely well for us. It allowed us to make an attractive and responsive front end with little effort.

- **jQuery** – While there isn't a lot of client side scripting in the application, what little there is uses the ubiquitous jQuery library.

- **MS Test** – The application is backed by a full suite of unit tests. We chose to use the MS Test testing framework built into Visual Studio because it was functional enough for an application this small and, more importantly, it's one fewer step in the setup process.

- **Selenium Web Driver** – In addition to unit tests, we wrote a less comprehensive set of UI tests. We used Selenium Web Driver to test the "happy paths" for the two main user types – consultants and account executives.
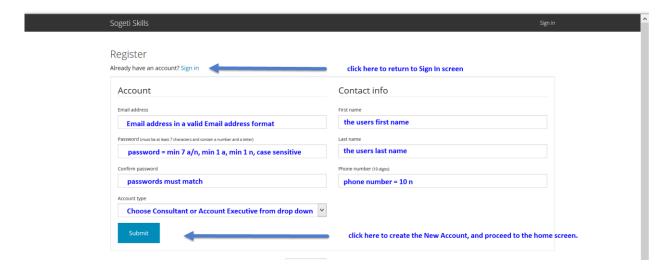
- **GitHub –** All source code and supporting documentation is stored in GitHub at

  https://github.com/asu-cis-capstone/sogetiskills.

Sign In screen

Sogeti Skills

Sign in

Don't have an account? Register   ←   **click here to create a new account**

Email address

Email address in a valid Email address format

Password

password = min 7 a/n, min 1 a, min 1 n, case sensitive

Submit   ←   **click here to log on**

This is the Sign In screen. From here, a user may enter an existing (valid) email/password combination
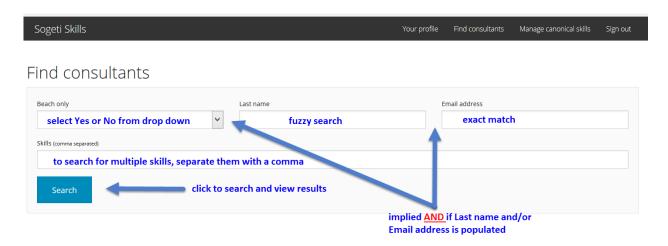
to log on, or register a new account.

Register Screen

This is the Register screen. It is accessed from the Sign In screen.

When properly populated, Submit will create the new account and take the user to the appropriate

Home screen (AE or Consultant). Alternatively, the user may return to the Sign In screen by clicking
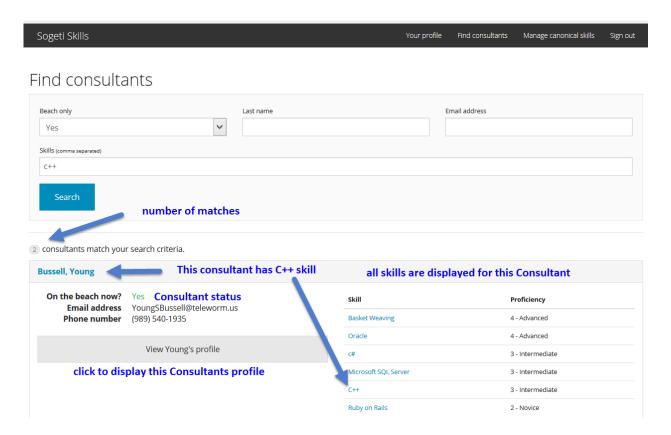
Sign In

Account Executive Home Screen

This is the AE Home screen. It is used to search for Consultants and Skills.

From this screen, an AE user can:

- Search and view results

- View AE profile

- Manage Skills

- Sign out

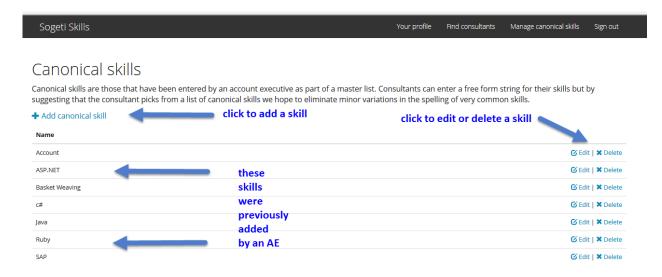**Account Executive Search Results Screen**

This is result of a search from the AE Home screen. It displays the matches for the search criteria.
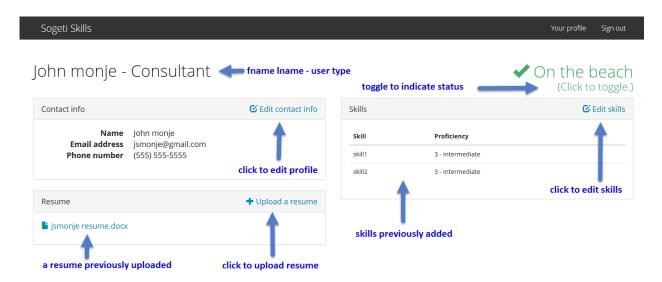
From this point, an AE user can:

- Search again

- View a Consultant profile

Account Executive Add Skill Screen

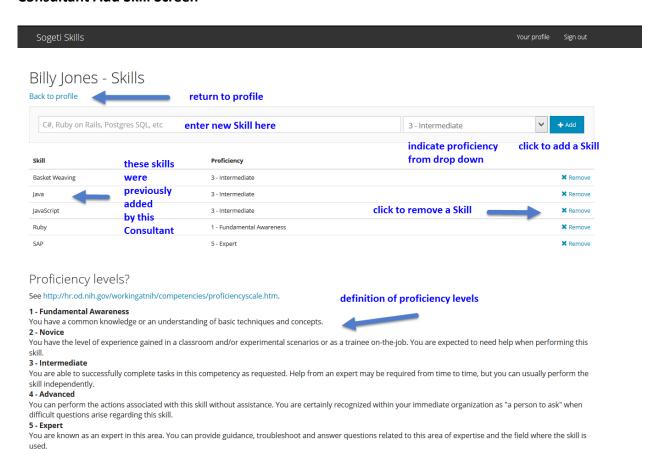This screen allows an AE user to add, edit, or delete a Skill.

Consultant Home Screen

This is the Consultant Home screen. It displays the Consultant profile. From this screen, a Consultant user can:

- View Consultant profile

- Edit Consultant profile

- Toggle status

- Edit Skills

- Sign out

Consultant Add Skill Screen

This screen is used to add or delete a Consultant Skill / proficiency.

Additionally, a Consultant user can:

- Return to their profile

- Sign out