https://www.linkedin.com/in/ebeidelsayed

EXPERIENCE

Philips Healthcare

Pleasanton, CA

Principal Software Engineer

February 2018 - Present

Email: ebeid@gatech.edu

Mobile: +1-979-618-8331

- New Product Development: Responsible for doing proof of concepts around technology and products early in development stages. Work with product teams on product runway until they are comfortable owning the product.
- **Technical Debt Reduction**: Re-evaluate existing technology and design decisions that previously increased technical debt and work with product teams to reduce the technical debt and increase quality.
- Engineering Operations Improvement: Helping modernizing services, operations, and field engineering practices.

Saint Mary's College of California

Moraga, CA

Adjunct Assistant Professor

Sept 2019 - Present

Teaching courses in both School of Science and School of Economics and Business Administration.

- CS 174 Analysis of Algorithms: Intermediate course surveys the most important algorithms and data structures in use today. Course taught in Java.
- OPS 407 Data Visualization & Storytelling: Introductory course prepares students to create compelling narratives to effectively communicate the results of their data analysis. Course used Tableau but the concepts and techniques were software neutral.

EllieMae Pleasanton, CA

Software Engineer II

October 2015 - February 2018

- EllieMae Developer Connect: Led the development and the public roll-out of EllieMae's platform APIs and SDKs. Helped developers on forums and in corporate training sessions.
- Encompass Consumer Connect: Worked on the core team for the first B2C product that utilizes EllieMae's mortgage platform. Worked on platform capabilities that improved user experience and performance.
- Encompass TPO Connect.: Lead one of the off-shore teams by gathering requirements, design, code-review the first bundle of APIs in EllieMae's mortgage platform. Worked closely with front-end engineers on consuming these APIs to deliver the first complete B2B product that utilizes EllieMae's mortgage platform.
- Technology Refresh Team: Implemented modern engineering practices in the following areas: CI/CD (gated checkins, TeamCity, Jenkins). Source control: migration from TFS to GitHub. Package management (in-house shared NuGet server). Service monitoring and alerting (SignalFX & xMatters).

Hoot Education, Inc

Dallas, TX

Technical Co-Founder

April 2015 - December 2015

• Hoot Education Solution: As a technical co-founder I worked with the founder to define requirements, build, test, and deploy the MVP to Microsoft Azure. Administered and configured all the engineering infrastructure on the cloud. Built and led the engineering team till my exit.

This was a venture beside my full-time job at Interface People.

Interface People, LP

 $Dallas, \, TX$

Software Engineer

October 2013 - September 2015

- Quest Designer: Worked on new features for a desktop suite of designers that enable health care professional build queries, reports, and web pages that consumes their Meditech data outside of Meditech.
- Engineering Practices: Installed, configured and administered the internal SharePoint internet. Introduced continuous integration to engineering teams using TeamCity and Jenkins.

Bryan Research & Engineering

Bryan, TX

Software Engineer

December 2011 - September 2013

- Corporate CRM: Installed, configured, and maintained the corporate CRM using Microsoft Dynamics CRM. Worked on data cleaning and migration to the new CRM.
- Corporate Intranet: Installed, configured, and maintained the internal SharePoint intranet and all the internal applications that interact with it.

Teneo Software Solutions

Lead Software Engineer

College Station, TX

May 2012 - October 2012

Policy Administration System: Migrated the policy administration system form Delphi to ASP.Net. Migrated
the database from DBISAM (http://www.elevatesoft.com/products?category=dbisam) to Microsoft SQL Server.
During this project, I created an ORM tool for DBISAM to accelerate the development process (To the best of my
knowledge, it's the only .Net ORM tool that support DBISAM).

This was a independent consultancy job beside my full-time job at Bryan Research & Engineering.

Texas A&M University

College Station, TX

Software Applications Developer

July 2011 - December 2011

Developed internal applications for Scholarships and Financial Aid Department. For each project, I was in charge of requirements gathering, design, build, and deployment.

Microsoft Cairo, Egypt

Developer Support Engineer

November 2008 - December 2010

Delivered quality developer-support/consultation for Microsoft gold certified partners within the company's SLAs. Managed triage sessions and day-to-day team activities.

ITWorx Cairo, Egypt

Software Engineer

January 2008 - October 2008

Developed internal applications as part of the Offshore development team for United Technologies Corp. Specifically I worked for Otis Elevator Company and Sikorsky (when it was part of UTC).

quTIP Cairo, Egypt

Software Engineer October 2007 - December 2007

Built and maintained mobile applications for field operations done by mobile sales teams.

Egyptian Armed Forces

Cairo, Egypt

First Lieutenant May 2005 - September 2007

Worked on IT and non-IT related projects within the artillery and missiles division.

Eurosoft Cairo, Egypt

Software Engineer

June 2004 - April 2005
I co-founded Eurosoft to provide custom solutions for small and medium European retail enterprises.

EDUCATION

University of Illinois at Urbana-Champaign

Champaign, IL

Master of Business Administration

March. 2019 - Present

Software Engineering Institute, Carnegie Mellon University

Pittsburgh, PA

Service-Based Architecture Professional Certificate

April 2019 - April 2019

Software Engineering Institute, Carnegie Mellon University

Pittsburgh, PA

Software Architecture Professional Certificate

Sept 2012 – December 2014

Georgia Institute of Technology

Atlanta, GA

Master of Science in Computer Science - Machine Learning

August 2014 - Present

Nile University

Cairo, Egypt

Master of Science in Software Engineering

August 2008 - June 2010

Helwan University

Cairo, Egypt

Bachelor of Science in Computer Science

August 1999 - June 2004

CERTIFICATIONS

- AWS Certified Cloud Practitioner: March 2019 March 2022
- IEEE Computer Society Certified Software Development Professional: September 2010 Present

TECHNICAL SKILLS

Languages: C#, VB .Net, Java, Python, R, SQL

Cloud: AWS, Microsoft Azure

Database: Microsoft SQL Server, MySQL, Apache Cassandra, MongoDB

Containers: Docker, Kubernetes

CI/CD: TeamCity, Jenkins, TFS, TravisCI Data visualization: Tableau Desktop

VOLUNTEER EXPERIENCE

DataKind San Francisco, CA

Proposal Reviewer - Google AI for Social Good Challenge

January 2019 - February 2019

Worked with DataKind to help review proposals submitted as part of the Google AI for Social Good Challenge.

WORK AUTHORIZATION

Green Card