

Rany ElHousieny, Ph.D^(ABD)

SENIOR MANAGER SOFTWARE ENGINEER

✉ ranyel@msn.com

☎ +1 425-647-8297

🌐 [linkedin.com/in/ranyelhousieny](https://www.linkedin.com/in/ranyelhousieny)

🔗 <https://rany.elhousieny.com>




Summary

[AWS Solutions Architect Certified](#)  , [Microservices Solutions Architect Certified](#)  , [Azure Certified](#)  , [Professional Scrum Master Certified](#)  , [Certified React Front-End Developer](#)  , [Micro-Frontends Architect](#)  , Commercial software development manager offering **25+ years' managing** cross-functional, global teams. Developed underperforming teams to have the ability to ship complex product releases significantly ahead of schedule. **Designed and implemented** products used by **500M+** users Cross Platforms. ★ [Gold Star Award](#) Winner presented from VP of Microsoft for saving failing projects, moving them **from failed to shipped** with high quality, and **Increasing products deployment speed by 70%**. Known and awarded for [building high-performing teams](#). 🏆 [Awarded](#) from the BOD of APFM for the high impact in the first 3 months. Increased efficiency and profit by **\$3.98M**.

TECHNICAL SKILLS:

- Languages: Python, C++, C. C#, R, Java, Objective-C
- [AWS](#), [Microservices](#), REST, [Gatsby](#), React, HTML5, CSS3, Sass, [Dropwizard](#), Maven, npm, Node.js, MongoDB, [Scrum](#), [GraphQL](#), [Elasticsearch](#), [AppSync](#), [React](#), [Micro-Frontends](#)
- OS: Windows, SunOS, RS600, AIX, Mac OSX, iOS, and Linux

CORE COMPETENCIES:

- Project, People, and Technical Management
- [Certified Solutions Architect](#) 
- [Certified Microservices Solutions Architect](#)
- [Certified React Front-End Developer](#)
- [Micro-Frontends Architect](#) 
- Agile development & [Professional Scrum Master Certified](#) 
- Development, Testing, and Research
- Cross-Group Coordination
- Leading Through New Product Ambiguity
- [Building high performing Teams](#)
- Customer Focus and Engagement
- 25+ years of software development experience
- 18 years Management Experience
- 8 years Managing Managers Experience

Experience





SENIOR MANAGER SOFTWARE ENGINEER

Apr 2020- Present

Zulily

Working with an amazing team building systems using MongoDB , [Elasticsearch](#), [AWS](#), React , CSS3 , HTML5 , Sass , [Dropwizard](#), Java , [AWS AppSync and Amplify](#), [Micro-Frontends](#) ...

- Built two high-performing self-managed agile dev teams
- Shipped two major web apps used in curation and profit analysis that increased efficiency and profit by **20% (\$4M)**
- Created Agile/Scrum process for shipping high quality products in **30%** of the time
- Created Quality and Scalability metrics
- Reduced cost to Price and Audit an Event by **80% (9h/wk to 2h/wk) leading to \$1.52M** in OIBDA
- Reduced time to create curation story from **45m to 5m leading to \$2.76M** in OIBDA
- Reduced Cost to Curate an Event by **35%** (4h/wk to 2.5h/wk) leading to **\$0.342M** in OIBDA
- Improved performance, cost, and response time by Moving the systems from **Monolithic systems** to [Micro-Frontends](#) and **AWS Serverless GraphQL**  **Microservices** using [AWS AppSync](#) 
- [Building high performing teams and provide best practices for the entire company to follow.](#)
- Recognized for the highest Work Health Index results for the Company.



SENIOR CONSULTANT - Freelance

May 2021- Present

Vancery

Vancery is a place for professionals to collaborate and to exchange ideas and perspectives. I am helping Companies to Migrate from Monolithic Architectures to Microservices and Micro Frontends. Provide Solutions Architect and design consultations.

<https://www.vancery.com/>

<https://www.vancery.com/profile/rany-elhousieny-131861>



FOUNDER - Freelance

April 2021 - Present

MicroFrontends.Info

I am helping Companies to Migrate from Monolithic Architectures to Microservices and Micro Frontends. Provide Solutions Architect and design consultations.

<https://MicroFrontends.Info>



SENIOR MANAGER SOFTWARE ENGINEER

Oct 2018 - Apr 2020

A Place for Mom

1 year 7 months

Designed, Developed, and Managed 8 main cloud distributed Microservices solutions with cross platform mobile apps using Apache Cordova , [GraphQL](#), [Elasticsearch](#), [AWS](#), React , [Gatsby](#), [AppSync](#) , CSS3 , HTML5 , Sass , DynamoDB , ...

In the first 3 months, I was [awarded](#) from the board of directors for impacting the company positively by:

- Improving performance by 60% leading to 40% resource savings
- Saving over 1400 hours per month of manual labor (**\$3.8M/year**) by automating complicated tasks
- Improved performance, cost, and response time by [Moving the systems from Monolithic DB with REST APIs to AWS Serverless GraphQL Microservices using AWS AppSync](#)

- [Building high performing teams and provide best practices for the entire company to follow.](#)



PRINCIPLE MANAGER SOFTWARE ENGINEER - Microsoft

Oct 2016 - Oct 2018

Azure - Cloud + AI team

Microsoft

2 years 1 month

- Lead several cross-organizational initiatives within 11k employee organization to improve experiences and satisfaction for 500M+ end-users..
- Azure Unified Endpoint Management (UEM) Microservices: Improved customer experience for managing apple devices enrolled in Apple Deployment Program and managed by Microsoft Intune by 10% (<https://docs.microsoft.com/en-us/intune/device-enrollment-program-enroll-ios>).
- Lead ARM64 development; game changing, all-day battery device with continuous connectivity and new mobile CPU announced on Dec. 2017.
- Increased NPS (Net Promoter Score) and CSS by 5% for 100M+ enterprise customers by creating a customer satisfaction dashboard and equation measuring by eight factors.
- Reduced customer support volume 3% (projection is 25% in 2 years); developed Machine Learning model identifying user feedback issues to alert engineers of new issues, decreasing resolution time and saving \$18k/mo in labor costs.
- Reduced the MTTR (mean time to resolution) to 12% (projection is 50% in 2 years) which increased adoption to latest release by 5%.



SENIOR MANAGER SOFTWARE ENGINEER - Microsoft

Jun 2013 - Oct 2016

Office for Apple Platforms (iOS/ OSx)

Microsoft

2 years 1 month

- Released Office for iPad, iPhone, and Mac -announced by Satya on March 2014.
- Designed and implemented features used by 100M+ users: linking to ADAL (Azure Active Directory Authentication Library) for client authentication with Office365, Single Sign On, Third party Authentication (Box, Dropbox, iCloud), and OAuth2 Authentication.
- Created a combined engineering transition process pilot used as a blueprint by 10K+ employees.
- Improved customer satisfaction by 30% and promoted star rating to 4.8 on app store.



GROUP MANAGER - Microsoft Research

Jun 2010 - Jun 2013

Microsoft

3 years

- Managed an org of developers, test, and product managers in MSR (Microsoft Research) to ship products.
- Awarded and promoted for creating a reliable process guaranteeing continuous delivery and optimal customer satisfaction for Bing and Office 100M+ customers.
- In less than a year, developed the org into high performers with strong moral shipping high impact products.



SENIOR MANAGER SOFTWARE ENGINEERING - MSN.com

Jan 2007 - Jun 2010

Microsoft

3 years 6 months

- software engineers organization manager at MSN/Bing DTS; building systems to target users with related content.

- Improved customer engagement 13% using personalization and audience relevance (measured by bounce rate, page views, session time, and click through rate).
- Increased MSN.Com traffic by 3% using SEO, SEM, KIP (Keywords Intelligent Platform), and SEP (search experience platform).
- Built a team of 60+ devs, PMs, test, SDETs, managers, and managers of managers in two months; 3x resources within the same budget to ship quality products ontime and alleviate huge debt of manual regression testing.
- Improved Group Health Index by 28% and reduced training time for turnover by 70%; developed talent retention strategies and added solid performance metrics fostering improvement.
- Converted 100% manual testing to 90% automation with measures and quality gates.
- Increased production by 40% by creating an automated pre-production and production environment freeing up resources.
- Managed 15 main projects: Relevance, Content Optimization, MSN Open, CPM, CIP, HOPs, SPS, UCE, SEP, MS.COM, SEO, SEM, KIP, JDS, and performance.



SENIOR MANAGER SOFTWARE ENGINEERING - Windows

Jan 1999 - Jan 2007

Enterprise and Networks

Microsoft

8 years 1 month

- Increased new product deployment speed 70% by designing and implementing a development process that combines SCRUM and RAD; manages specifications, development, testing, passing quality gates, and deployments in 2 vs 13 months.
- Gold Star Award Winner presented from VP of Microsoft for rapidly shipping a failing product.
- Built an org of 30+ from ground up and developed people located in California, India, and China to become high performers; handled interviews, hiring, managing up, and managing low performers out without impacting the business.

Education



Doctor of Philosophy (PhD)_(ABD), Computer and Information Sciences, GPA: 3.79/4.0 2008 - 2014

Nova Southeastern University

Courses of note: DISS720 Human-computer interaction (A+), DISS710 Decision support systems (A-), DISS745 Electronic commerce (A+), DISS845 Ph.D. research project in electronic commerce (A+).



Master's degree(MSc), Computer and Information Sciences, GPA: 4.0/4.0 with Honors 2004 - 2008

Nova Southeastern University

Courses of note: Situational Leadership, Career Coaching, Crucial Conversations, Advanced Negotiation, MMIS600 system development and design methods, MMIS645 Project management.



Bachelor's degree, Electrical and Computer Engineering

Alexandria University

Skills



Software Development • Agile Methodologies • AWS Solutions Architect

Certifications

- [AWS Certified Solutions Architect](#) • Amazon Web Services (AWS)
- [Microservices Certified Solutions Architect](#) • Edureka
- [Professional Scrum Master Certified](#) • Scrum.org
- [Certified React Front-End Developer](#) • Edureka
- [Azure Cloud Certified](#) • Microsoft Azure Certification Exams
- [Administration Of Information Security](#) • Nova Southeastern University
- [Advanced Negotiations](#) • Calyptus Consulting Group, Inc.
- [Upsilon Pi Epsilon](#) (Honors in The Computing and Information Disciplines)
- [MongoDB Certificate](#) • MongoDB University

Honors & Awards

[Gold Star Award](#) • Microsoft • Jun 2005

Gold Star Award for developing and implementing an Agile process to ship in 30% of the time.

[Upsilon Pi Epsilon](#) • The International Honor Society for The Computing and Information Disciplines • Mar 2008

Honor society of Computer and Information Sciences. I received GPA 4.0/4.0 with all honors in My Master Degree in Computer and Information Sciences

[Microsoft - Wiki and Technical Documentation Authoring Leader](#) • Microsoft • Oct 2017








I have been the leader for improving documentations for our product for Employees and Partners for several months, leading by over 10,000 points.

[Audience favorite award for Deep Learning Hackathon project](#) • Microsoft • Apr 2018

[High Impact Award - Stock Options](#) • A Place For Mom • Apr 2019

* In the first 3 months, I was awarded from the board of directors for impacting the company positively by: Improving performance by 27% leading to 40% resource savings, Saving over 1400 hours per month of manual labor by automating complicated tasks

Websites and Links

-  : <https://www.linkedin.com/in/ranyelhousieny/>
-  : <https://rany.elhousieny.com>
-  : <https://ranyel.medium.com>
-  : <https://www.youtube.com/c/RanyElHousieny>
-  : <https://microfrontends.info>
-  : <https://rany.tk>
-  : <https://ranyelhousieny.tk>
-  : <https://resume.rany.elhousieny.com>
-  : <https://github.com/ranyelhousieny>