Mark Admani

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SUMMARY

Software engineer with a background in automation and process engineering, looking for full-stack or front-end software engineering roles.

WORK EXPERIENCE

The Lab Consulting   **Aug. 2022 – May 2024**
Software Engineer   *Houston, TX*
- The Lab Consulting produces automation solutions using RPA tools to create reliable and scalable "bots" which can replace or augment human-centric digital processes
- Developed and maintained extensive documentation to make bots that are easy to use and robust
- Managed UIPath and Power Automate environments for 20+ clients, ensuring that all bots are able to run with correct configuration and data
- Scoped automation processes with clients to determine feasibility of automation and time-saving methods
- Updated older bots to a modern standard, updating methodologies and implementing coding best practices and proper error handling
- Created COE documentation and process mapping for clients to identify new automation candidates

Kaneka North America - Apical   **Sept. 2018 – Aug. 2020**
Production Process Engineer   *Pasadena, TX*
- Wrote automations that successfully updated over 1000 documents to meet PSM standards for OSHA
- Managed corona treatment and plasma treatment processes to ensure proper quality specifications
- Managed all aspects of high-cost capital projects for process revisions, new equipment, major reconstruction and equipment renewal

Petrin LLC   **Nov. 2017 – Sept. 2018**
Associate Project Engineer   *La Porte, TX*
- Created an automated labor tracking database through Excel using visual basic programming
- Verified engineering installations through system walkdowns and checked that specifications are followed

EDUCATION

University of Houston Clear Lake   **Expected Dec, 2025**
M.S. in Software Engineering   *Houston, TX*
University of Houston – Cullen College of Engineering   **May, 2016**
B.S. in Mechanical Engineering, minor in Mathematics   *Houston, TX*
- Honors Engineering Program President
- Honors College Student Governing Board

SKILLS & CERTIFICATIONS

- **Skills:** UIPath (including Orchestrator and Cloud Orchestrator training), Microsoft Flow, Microsoft Power Automate, Microsoft Power Automate Cloud, LabVIEW, MATLAB, .NET, Visual Basic, C++, C#, Python
- **Certifications:**
    - UiPath Certified Professional Automation Developer, License # 104370010
    - Engineer-in-Training, Mechanical Engineering Exam, License # 60739