Mathew Thomas
(Permanent Resident)

9797 Meadowglen Ln.,
Houston, TX 77042
lovinmathew@hotmail.com
(832) 769-1153

Summary

Detailed, analytical and client-oriented professional seeking a software engineering position to pursue a successful career in software development. Having 3 years of electrical engineering experience and looking to join a progressive tech company where my technical skills will be fully harnessed.

Professional Skills

- HTML5, CSS3, Ruby, JavaScript, jQuery, Responsive Design, Bootstrap, React.js, Node.js, MongoDB, MySQL, Heroku.
- Security and Session Storage, and User Authentication.
- Visual Studio Code, Git, GitHub, Microsoft Office Suite.

Certifications

- Dow Certifications in safety training and MOD V DCS.
- Yokogawa Technical Certifications in: DCS Engineering & Maintenance, Prosafe RS Engineering, STARDOM with FAST/TOOLS SCADA, Field Bus Engineering & Field Instruments for Process Control.
- Quality Generalist Training by Wollam Petroleum Advisory Group.
- AutoCAD 2014 Certified Professional.

Education

University of Texas at Austin Boot Camps (Part-Time)

Software Engineering and Development, December 2019
HTML5, CSS3, JavaScript, Ruby, jQuery, AJAX, Responsive Design, Bootstrap, React.js, Node.js, MongoDB, MySQL, Heroku, Security and Session Storage, and User Authentication. Part time course that does not interfere with weekday schedules and available to work full time (40+ hours).

App Acacemy (Online)

Software Engineering and Development, September 2019
Curently undertaking the online curriculum offered by App Academy. Basic + Intermediate Ruby, Object-Oriented Design, Basic Algorithms + Data Structures, Computational Complexity, Intermediate Algorithms, Advanced Data Structures

University of Houston, Graduated May 2016

Masters in Electrical Engineering, GPA: 3.4/4.0
Relevant Coursework: Data Structures & Algorithms, Computer Architecture, Database Systems, Digital Video, Digital Control Systems, State Space Control Systems, Linear Multi-Variable Control Systems.

Vellore Institute of Technology, India, Graduated May 2013

Bachelor of Technology in Electronics, GPA: 8/10
Relevant Coursework: Computer Architecture, Data structures, Algorithms, Software Foundations, Digital Signal Processing, Control Systems, Semiconductor Devices and Circuits, VLSI, Process Control, Process Automation, Electrical and Electronic Instrumentation, Industrial Instrumentation.

Employment History

The Dow Chemical Company

Process Automation Engineer
Baton Rouge, Louisiana, August 2018 - September 2019
Worked on FORTRAN based DOW control system (DOWTRAN) programming and automation projects. Worked on code modification for GE/PEG plant to include warning alarms and permissive actions. Tuned PID, constraint controllers and performed scale fraction math calculations on DOWTRAN code. Performed MOD difference report edits and code compilations for upcoming code loads. Performed code loads during turnarounds as per plant schedules.

Projects

• Password Generator:
  https://iilmtii.github.io/Password-Generator/
  -UT Austin Bootcamps
• Stability Control Using
  Pole Placement –
  University of Houston,
  2015.
• MPEG Video Animation
  Using C - University of
  Houston, 2014.
  **Third Prize, Video
  Animation Project
  (2014):** Awarded 3rd prize
  for video animation
  project, out of class total
  of 20 projects.
• Self-Healing of LTE
  Networks – VIT University,
  2013.

Links

• **GitHub:**
  https://github.com/IILMTII

• **Portfolio:**
  https://iilmtii.github.io/Portfolio-Bootstrap/

Created modern web based operator UI from legacy CAN diagrams using Javascript, HTML, CSS/SASS and AJAX calls for asynchronous APIs.

Planet Forward (WM Engineering Contractor)
Controls/SCADA Engineer
Houston, Texas, July 2018 - August 2018
Worked as a Controls Engineer contracted by Honeywell to work on Honeywell C300 graphics for Kuwait Integrated Petroleum Industries Company for Al Zour Refinery Expansion. Performed Cause and Effects verification of interlocks present on HMIWeb graphics. Developed web interface and linking of graphics from DCS server. Performed pre-fat testing with FDH JV team for Process, DCS and IPS graphics for Units 31 and 62

Hargrove EPC
Controls and Automation Engineer
Houston, Texas, May 2017 - April 2018
DCS configuration and web linking of I/O points and modules on client's side server. Created responsive web pages for operators using Javascript, HTML, CSS/SASS and AJAX calls for asynchronous APIs.
Project 1: SI Group Honeywell TDC to Delta V Migration, Freeport, TX, May 2017.
Project 2: Albemarle JBC TPPBA Delta V Expansion, Safi, Jordan, August 2017.
Project 3: Total Honeywell Experion C300 Migration, La Porte, TX, November 2017.
Project 4: Lyondellbasell – Equistar Honeywell Experion Migration, Westlake, LA, December 2017.
Project 5: Cardinal Group Shire UF/DF Skid Delta V Expansion, Lexington, MA, November 2017

BL Technology
Engineering Intern
Tomball, Texas, March 2017 - May 2017
Worked on City of Houston wastewater treatment plant's PLC replacement. Assisted the team on tag matching Siemens SIMATIC S7 300 PLC, HMI databases and web development. Verified I/O module tags with CAD drawings. Prepared Operations and Maintenance manuals. Created responsive web pages to display manuals for clients using Javascript, HTML and CSS.