Ben Lopata

Software Engineer

CONTACT

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CAREER SUMMARY

Results-oriented professional with 2.5+ years of experience and a proven knowledge of process analysis and improvement. Skilled in frontend and backend development, object-oriented design. Effective communicator who excels at creating relationships and managing expectations while exhibiting a team-oriented attitude. Aiming to leverage my skills to successfully fill the available Software Engineer position.

PROFESSIONAL EXPERIENCE

06/2017 - Present

Southwest Power Pool

Engineer

- Reduced time to perform a daily study 80% by automating procedures in python.
- Headed off potential system reliability risks by conducting studies on transmission outages for ten independent member companies.
- Designed, developed, and implemented process improvements using PowerShell and python.
- Effectively developed relationships and successfully liaised with member companies daily to manage and resolve critical issues in a timely manner.

06/2016 – 08/2016

Engineering Intern

- Worked in a multi-disciplinary team of engineers, developers, and analysts creating tools for real-time awareness.
- Developed stand-alone, user-configurable .NET application for charting phasor measurement unit (PMU) data from SQL database.
- Wrote classes in C# for calculating and quantifying electrical power used in real-time applications.

EDUCATION

08/2013 – 05/2017

Louisiana Tech University

Ruston, LA

B.S. Electrical Engineering

SKILLS AND ABILITIES

Languages: Object-oriented JavaScript, ES6+, Python 2.x/3.x, C, C#/.NET, Verilog FPGA, VHDL.

Web development: RESTful APIs, React.js, Vue.js, Node.js, Bootstrap, CSS/HTML, Chrome Developer Tools.

Libraries: NumPy, pandas, TensorFlow, Winston, Express, Joi.

Deployment tools: Docker, MongoDB (document database), MySQL, Heroku.

Versioning & other tools: Git, SVN, Bitbucket, Atlassian Toolset, GCP and AWS.