Stephen Bohner

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Education

MARIST COLLEGE, POUGHKEEPSIE NY

Bachelor of Science
<u>Major</u>: Computer Science
<u>Minors</u>: Mathematics, Information Systems & Information Technology

Experience

SENIOR SOFTWARE ENGINEER | IBM | JUNE 2024 – CURRENT
- Create Proof Of Concepts for internal teams utilizing API automations & watsonx.ai LLM solutions
  - Work with client-server architectures, networking protocols, application development, and databases
- Led in an agile, collaborative environment across software architecture, understanding both front and back-end
  - Translate requirements into design, development, & assembly of components to create custom info systems
- Deliverables include functional and technical designs, models, components, code, unit tests, and documentation
  - Understand user and system requirements, how & when to choose specific technologies (Web development)

FULL STACK SOFTWARE ENGINEER | IBM | OCTOBER 2018 – JUNE 2024
- IBM Training External Learning in CIO department responsible for hosting https://ibm.com/training:
  - Front end – React / Redux / Carbon-Components
  - Back end – Node / Express / Db2 (RDBMS, CLI configurations, backups, ETL processes etc…)
  - Architecture - IBM Code Engine Serverless / CIO Hybrid Cloud (Redhat OpenShift)
  - DevOps - Docker / Tekton Pipelines
  - Monitoring – New Relic / Dynatrace / PagerDuty / Slack integration

DATA ANALYST / BACKEND DEVELOPER | MARIST COLLEGE | AUGUST 2017 – JULY 2018
- Developed a data modeled open-dashboard project that predicts a student's risk within a course
  - Front end – Graphs in Chart.js utilizing Angular
  - Back end – PostgreSQL + MySQL ☐ Java (JDBC) ☐ JSON
- Wrote an ETL that efficiently migrates tables from one DBMS to another using ssh key authentication in a Linux environment
- Scripted a mailing service via records from a DB using mailx
- Automated a continuously integrated build environment for development and production systems

Technical Skills

- JavaScript, TypeScript (NodeJS & Nextjs), React, npm, Express, RESTful APIs, IBM Cloud, DevOps, MySQL, Postgres, Db2, Java, Python (FastAPI), Git, Linux, Office 365, PHP, jQuery, HTML, CSS, Bootstrap, Carbon

PROJECTS
- Developed a hardware simulated operating system in JavaScript – github.com/sbohner14335
- Created a web application with a team of students for a non-profit organization in Poughkeepsie
  - Focused on full stack submitting, viewing, and editing forms
- Created ER diagrams and implemented a database for a physician's office

LEADERSHIP
- Took architected PoC to MVP via UAT with stakeholder & design feedback
- Served as a System administrator and was responsible for IT equipment, systems and users
- Helped organize 2 week long sprints and helped gather requirements on an agile software development team