Aaron Barge

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Work History

SOFTWARE DEVELOPER INTERN, SAP
BOULDER CO | JAN 2019-MAR 2020

- Contributed to the SAP Hybris E-commerce Backoffice integration APIs and Datahub technologies.
- Developed and implemented performance testing of SAP Commerce Cloud deployments using Artillery, Influx DB, and Python libraries on production cloud deployments.
- Created a Commerce Cloud deployment tool for smoke testing and nightly platform deployments. With the ability to be run both from Jenkins and locally.
- Updated and contributed to development teams CI infrastructure, with a new disaster recovery solution.
- Collaborated with an Agile software development team and contributed to ceremonies, demos and handoffs.
- Helped manage Azure resources and cost monitoring. Studying for
az-103 az-300 Certifications exams.

BIOMEDICAL ENGINEERING INTERN, MEDTRONIC
LOUISVILLE, CO | MAY-AUG 2018

- Conducted a risk analysis survey to solve the interruption in worldwide supply when component manufacturing is interrupted by catastrophic events.
- Developed a cloud database to share and update information. Wrote and distributed surveys; collected data, and reported found results.
- Integrated geopolitical and weather APIs to enrich collected data with real-time information.

MULTIPLE ROLES, TECOMET
BOULDER, CO | SEPT 2014-APR 2018

MANUFACTURING ENGINEERING INTERN:

- Developed methods, fixtures, documentation, and validation processes for the successful transfer of medical and aerospace products from development to production.
- Programmed and validated CMM and optical inspections programs

FACILITY MAINTENANCE:

- Troubleshooted, repaired, and performed preventative maintenance on validated production machines.

MACHINE OPERATOR:

- Worked with CNC mills, lathes, wire EDMs on gaining first hand experience with production methods from the shop floor up.

Education

UNIVERSITY OF COLORADO BOULDER
GRADUATION DEC 2019

- Bachelors degree in Computer Science
- Interests in AI, Data Science, cognitive science and Ethics
- Biomedical Engineering Society Sinus Stent project
- Three semesters of Chinese

LEADERSHIP

- Junior National Luge Team athlete and coach.
- Marina Yard Manager for three seasons in charge of six employees.

Skills

SOFTWARE

- Bash, Python, Jenkins Pipeline, C, C++, Java, Scala, VBA, MySQL
- Mac, Linux
- GitHub, Artifactory
- Intellj, Pycharm, Visual Studio Code, Sublime
- Docker, Kubernetes
- SAP Backoffice, Cloud Portal
- Azure Cloud
- Postman/Newman, REST, Oatuh APIs
- Adobe Photoshop, Lightroom, InDesign
- Microsoft Office 365

DOCUMENTS PRODUCED

- Project Demos, Reports and Wiki pages
- Code reviews
- Medical device process control plans
- Matplotlib statistical reports
- Gage R&R capability studies
- Detailed Solidworks technical drawing
- Proficient in LaTeX

OTHER SKILLS

- Phi Theta Kappa National Honor Society
- Photographer, outdoorsman
- Auto and Motorcycle maintenance/ restoration, timing chain, cam shaft, brakes, and alternator replacement
- Avid reader, with an appetite for curiosity and new ideas