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Portfolio: jayantkeswani.com

LANGUAGES AND TECHNOLOGIES

- **Proficient:** Java, Python, GOLANG, HTML5, Bash, Docker, Jenkins, Git, Jira.
- **Exposure:** C#, Javascript, ReactJS, AngularJS, Node.js, CSS3, Kubernetes, MySQL, MongoDB, Tableau, Machine Learning (K-Means, Random Forest, SVM, Decision Tree, sci-kit-learn), AWS, GCP.

PROFESSIONAL EXPERIENCE

Hitachi Vantara | Software Development Engineer | Santa Clara, CA

Sept 2017 – Feb 2020

- Lead a team of 5 engineers to implement JWT based Authentication and Role-based access in a microservice-based architecture for UCP Advisor rest API, enhancing the security of the product.
- Developed and maintained REST APIs to integrate UCP-Advisor with the data center infrastructure (Routers, Switches, Storage, Servers, and Vcenter) used Java, GOLANG, and C#.
- Architected, designed and developed the testing framework for the UCP-Advisor REST API service using JAVA, TestNG, and python, which reported over 200 critical bugs.
- Developed DevOps pipeline for the team to build, deploy, and test the product, used Jenkins, Ansible, and Kubernetes, reducing deployment time by 3X.

University of Washington | Data Engineer, Research Assistant | Seattle, WA

Dec 2015 – Jun 2017

- Performed data analysis on genomic sequences locating patterns in RNA using Python, sci-kit-learn, Seaborn, Pandas, Matplotlib, and R, leading to new insights and improved accuracy in Machine Learning models to 93%.
- Created GUI for Docker utilizing No-VNC, Python, and Nginx to containerize applications, making data analysis software portable and easy to set up on cloud-based services, reducing deployment time by 2X.
- Engineered data pipelines and containerized workflow in Docker using Python, Orange ML, and Shell Scripting, ensuring reproducibility of test results, with system now being used by 5 major research institutes.

Qikspace | Data Engineer | Seattle, WA

Jul 2016 – Aug 2016

- Performed data analysis on 400GB of user data (100+ million rows) using Python, Tableau, sci-kit-learn, and Matplotlib, improving UX in the mobile platforms by over 20%.
- Built data pipelines utilizing Python, Java, Docker, and Shell Scripting to automate the data cleaning process by creating rules to increase the productivity of the engineering team, saving the company over \$22,000 annually.

Kahootz | Software Engineer | Los Angeles, CA

Jun 2016 – Jul 2016

- Developed user registration, login system, and chrome extension with JavaScript, Node.js, Express, and MySQL with Facebook and Google API integration, reducing email duplication in the database by over 33%.
- Created user dashboards for the entire platform in JavaScript and AngularJS, improving page load times by 2X.
- Deployed system on AWS (EC2 instance for the Node.js server and RDS for MySQL) using JavaScript and Shell Scripting, and Nginx as a load balancer between 5 separate instances.

EDUCATION

M.S. Computer Science, *University of Washington*

2017

B.S. Computer Science, *EIILM*

2014

PUBLICATIONS

BioDepot-Workflow-Builder, *bioRxiv*, [link to code](#)

2017

GUIDOCK-VNC, *Gigascience*, [link to code](#)

2016