Brandon Micale Kelley

Director of Systems, Dynamic Energy

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Experience

Director of Systems, Dynamic Energy — Feb 2023 - Present

`Growth Mindset` `Mentorship` `Enterprise Software` `Contract Negotiation` `Salesforce` `Software Engineering`

- I develop internal and external hires to build, deploy, and maintain analytical software
- I keep a pulse on solar industry strategy and create efficient operating procedures
- I conceptualize systems & integrations that provide a custom fit for business solutions

Senior Analytics Engineer, Preston Ventures — Jul 2022 - Feb 2023

`ETLs` `Microservices` `Pandas` `SQLAlchemy` `Alembic` `Docker` `Kubernetes` `AWS` `Github CI/CD`

- Delivered semi-structured health and financial records to fuel predictive policy valuations
- Engaged in design and code reviews that boosted software engineering best practices

Data Scientist, Duke Energy Corporation — Apr 2021 - Jun 2022

`Business Modeling` `Data Visualization` `Azure Synapse` `Pandas` `Jupyter Lab` `Apache Spark` `Azure Datalake`

- Deployed business intelligence solutions for large-scale solar operations & maintenance
- Introduced systems to benchmark standard work speed and enable weekly reviews with a measured 30% reduction in non-standard work order volume in the first 3 months
- Oversaw on-time delivery for >54MW of solar system monitoring installations, identifying scheduling conflicts in a regression model applying Goldratt's Theory of Constraints

Systems Analyst / Developer, REC Solar Commercial Corporation — Jun 2018 - Apr 2021

`Continuous Improvement` `Agile` `Web APIs` `ETLs` `Azure SQL Server` `C#` `.NET Core` `Excel` `Power BI`

- Regularly led exercises in trend analysis, data modeling, and automated reporting
- Key projects: Change modeling in funded portfolios, predictive construction timelines

Software Design Engineer I, Microsoft Corporation — Jun 2016 - Sep 2017

- Deployed tooling to crowdsource gold-standard transcription data, enabling increasingly complex feature parameterization in the learning and evaluation of the Cortana service

Education

Assorted Courseware, Skagit Valley College — Mar 2024 - Present

- Sustainability Fundamentals
- Global Issues and Social Sciences

Certification in Mechatronics, Everett Community College — Sep 2019 - Dec 2019

- Hydraulic and Pneumatic Systems
- Programmable Logic Controllers (PLCs)

B.S. Computer Engineering, California Polytechnic State University — Sep 2014 - Jun 2018

`Computer Architecture` `Software Engineering` `Data Structures` `Statistics` `Digital Circuits` `Club Leadership`

- Measured location security flaws in the LTE protocol as a student research assistant
- Specialized in mixed reality environments, cognitive resource theory, anthropomorphism

Community

Volunteering — Oct 2023 - Present

- Coupeville School District & Board
- Coupeville Boys & Girls Club
- Coupeville Water Festival '13, '14, '24
- NW 1B/2B District 1 Track Championship

Membership — Oct 2023 - Present

- Coupeville Chamber of Commerce
- Island County Conservation Futures Program