

# Dave Kwiatkowski

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## Experience

### **Capital One, Software Engineer**, 09/2023–Present | McLean, VA

- Developed important Extract, Transform, Load jobs using AWS Glue, Python, and PySpark
- Created web app features and bug fixes via AngularJS, TypeScript, and SCSS
- Researched and designed web architecture via Figma, AWS, and internal datasets and tools
- Produced mock data tooling via Yaml configs and Python and job scheduling via Airflow

### **UiPath, Software Engineer II**, 03/2021–02/2023 | Bellevue, WA

- Built React, Angular, and StencilJS web components shared between products
- Delivered complex web app pages for Cloud, Kubernetes, and MSI environments
- Initiated and elevated testability via Playwright, Storybook, Cypress, and Jest
- Removed hundreds of Node.JS security vulnerabilities via cross-repo GitHub Actions

### **Microsoft, Software Engineer II**, 08/2019–03/2021 | Bellevue, WA

- Decreased time to switch between iframes by 2+ seconds via caching shared data
- Eliminated 400 ms from server response time via server response streaming in C Sharp
- Cleared memory leaks in React via resource disposal and state management optimization

### **Microsoft, Software Engineer Intern**, 09/2018–11/2018 | Bellevue, WA

- Revamped the entire mobile app by introducing cross-product React Native
- Expanded serviceability via automated incident alerts and intelligent CMS remedies
- Increased accessibility of React Native, React Redux products via A11y standards

### **Microsoft, Software Engineer Intern**, 05/2018–08/2018 | Bellevue, WA

- Boosted run-time performance of React Native app via buffered, organized logging
- Improved product serviceability via telemetry and network analysis monitoring
- Mechanized cross-language feature-gate creation and authentication via Gulp tasks

### **Fidelity Investments, Software Engineer Intern**, 05/2017–08/2017 | Durham, NC

- Made features via AngularJS, Sass, REST API development, and SQL database queries

### **Virginia Tech, Computer Science TA**, 08/2016–05/2017 | Blacksburg, VA

- Aided students' software design, algorithm, and data structure knowledge via tutoring

### **General Dynamics MS, Software Engineer Intern**, 05/2016–08/2016 | Fairfax, VA

- Reduced app build time by 5 minutes in JavaFX, Maven app via multithreading

## Skills

### **Coding**

- Proficient with JavaScript, TypeScript, React, Python, Pandas, PySpark, React Native, AngularJS, Java, Node.js, Express.js, CSS, HTML, Sass/SCSS, StencilJS
- Familiar with C Sharp, Angular, Kusto Query, ASP.NET Core, jQuery

### **Topics**

- Web development, Front-end development, Full-stack development, Integration/Unit testing, Telemetry, Metrics and alerts, Web performance, Data structures, Algorithms, Web components, Progressive Web Apps, REST APIs, Accessibility, Mobile development, Computer graphics, Design

## Certifications

### **AWS Certified Solutions Architect - Associate**

- Issued on 01/2024

## Education

### **Virginia Tech**

- BS, Computer Science