

## NEIL M. DWIVEDI

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Versatile software engineer with 5+ years of experience architecting, developing and modernizing enterprise-scale applications for federal agencies. Extensive experience writing Python scripts, developing microservices with Spring and Java and web development using AngularJS in Agile environments.

### Technical Skills

*Languages:* Python, Java, JavaScript, NodeJS, AngularJS, HTML, CSS, XML, SQL

*Technologies:* Agile, AWS, Git, Linux, pgAdmin, DBeaver, Postgres, MongoDB, Spring Boot & Batch

### Experience

**The MITRE Corporation** (*May 2020 – June 2025*)

#### ***Intermediate Software Engineer***

- **CWE Usability** (*October 2024 – May 2025*)
  - Performed as product owner and maintainer for the CWE submissions website and associated AWS instances
  - Reduced deployment time by 80% by developing Python scripts to optimize the deployment pipeline
- **IRS CADE 2** (*Jan 2024-May 2025*)
  - Developed proof-of-concept microservice solutions to modernize tax processing architecture using Java and Spring Batch
  - Built and maintained a modernized tax processing proof-of-concept which improves process efficiency and resiliency using Java and Spring
- **Enterprise Architecture Baseline – Simplified (EnABLS)** (*June 2023 – July 2024*)
  - Architected and built new visualization tools for EnABLS using AngularJS resulting in improved process visibility for all sponsors
  - Deployed regular updates for new EnABLS versions to 7 unique sponsor environments
- **IRS IV&V** (*June 2023 – September 2024*)
  - Audited code quality and development protocols for multiple IRS projects resulting in identifying enterprise-wide issues which were acted upon by development teams and IRS leadership
  - Led code quality audit for 2 projects resulting in 3-5 technical findings per project
- **Easy Room Reservation App** (*Jan 2023 – July 2023*)
  - Greatly improved accessibility and efficiency during return-to-office by designing & developing internal ReactJS app to streamline employee interactions with the TRIRIGA room reservation system

### Education

**Texas A&M University**, College Station, TX (*August 2017 - August 2021*)

- ***B.S. in Computer Science***