

# MICHAEL A. PALERMO

📞 708.940.2779 | ✉️ michaelpalermooo@gmail.com | 📍 Westchester, IL  
[LinkedIn](#) | [Portfolio](#)

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## PROFESSIONAL SUMMARY

Front-end engineer with 4+ years of experience building performant, intuitive user interfaces using modern technologies including React, TypeScript, HTML/CSS, and REST APIs. Secret Clearance for DOD and limited BI for DHS in the process of obtaining Public Trust with additional financial requirements for CBP.

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## TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, Python, C#, Go, SQL

Cloud/DevOps: AWS (Lambda, S3, API Gateway, CloudFront, Route53, CloudWatch, Kinesis), GitLab CI/CD, Docker

Frameworks: Spring Boot, React, Angular, Next.js

Databases: MySQL, SQL Server, PostgreSQL

Tools: Git, GitHub, GitLab, Jira, Confluence, Postman, Jest

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## PROFESSIONAL EXPERIENCE

### Front End Engineer

**Ellumen, Inc** | DHS/CBP Contract | Remote | Dec 2023 – Present

- Independently led delivery of new React features for Homeland Security websites under federal compliance standards
- Obtained a limited BI Clearance, in the process of getting Full Public Trust Clearance
- Collaborated cross-functionally with stakeholders, designers, and engineers to ship production-ready UI
- Setup custom AI chatbot using Kommunicate for FAQ ease of use

### AWS Cloud Engineer

**Ellumen, Inc** | DOD Contract | Remote | Mar 2023 – Dec 2023

- Designed and deployed serverless AWS applications with Lambda
- Built robust REST APIs using AWS API Gateway and improved system observability via custom monitoring solutions
- Contributed to implementation of automated Jest Unit tests (85%+ coverage) and CI/CD pipelines, reducing release cycles from 1 week to 1 day
- Wrote custom backend Java code to fix file export feature, splitting attachment files into more manageable chunks (From 49 mb to 10mb for example)

### **Full Stack Software Developer**

**LabCorp Drug Development** | *Clinical Trial Software Company* | Remote | Sep 2021 – Dec 2022

- Deployed iOS and Android apps for clinical study companies like Johnson & Johnson and Pfizer
- Participated in agile ceremonies and actively contributed to architecture and documentation standards
- Developed scalable backend services using Java as part of the SnapClinical platform
- Created secure auth workflows and designed Flowable BPMN processes

### **SQL Developer**

**Thatcher Technology Group** | *Direct Selling Software Company* | Naperville, IL | Feb 2021 – Aug 2021

- Optimized large-scale SQL Server queries, increasing performance by 30%
- Supported .NET development and Spring Boot microservice enhancements
- Handled deployments and live upgrades, maintaining near-perfect system uptime

### **Software Development Intern**

**ComEd** | *Oakbrook Terrace, IL* | Jun 2019 – Aug 2019

- Created Alexa Smart Home Skills using AWS Lambda and Node.js
  - Presented final results to 100+ executives
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## EDUCATION

### **Bachelor of Science – Computer Engineering**

*Lewis University | Romeoville, IL | 2016 – 2020*

- GPA: 3.74 | Minors: Mathematics & Computer Science
- Dean's List All Semesters | Fitzpatrick Scholarship Recipient