

Lee Gantt

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EXECUTIVE SUMMARY

Tech Lead with a proven track record of Agile full project lifecycle leadership, proof-of-concept delivery, stakeholder management, and data systems implementation for Fortune 500 companies across multiple industries. Expert in cloud-native architecture (AWS), data engineering, and EV/IoT systems integration. Consistently leads cross-functional teams — developers, data scientists, data engineers, and DevOps — from requirements through delivery. Active Secret Security Clearance (5c).

PROFESSIONAL EXPERIENCE

Duke Energy — Remote | *Aug 2020 – April 2026*

Tech Lead — IoT & Electrification

Nation's Largest Energy Provider

- Led development of a proprietary Charge Management System (CMS) for an array of L2 EV chargers at Optimist Hall employee parking facility; reduced charger downtime by overseeing OCPP protocol customization, cybersecurity penetration testing, and Third-Party Risk Assessment (TPRA) compliance.
- Integrated Duke's Demand Response system using OpenADR to curtail EV charger power during peak demand periods, directly supporting grid stability goals across NC service territory.
- Architected and managed an Analytics Platform for eTransEnergy (non-regulated subsidiary) in AWS using S3, Glacier, Lambda, Lake Formation, Terraform, Aurora Serverless, and Power BI — delivering a scalable cloud-native reporting environment.
- Led a team of data scientists to perform ML-based signal disaggregation on raw residential meter data to detect EV charging events, improving detection accuracy by ~30% over prior heuristic baseline.
- Designed a SQL Server database and ETL pipeline to house grid models and vehicle telematics data, enabling analysis of fleet electrification grid impact and authoring a whitepaper on charging optimization best practices.
- Led development of an Angular-based fleet conversion calculator hosted on the Duke Energy public website, enabling fleet managers to model cost savings and carbon emission reductions from BEV conversion.
- Managed design and monitoring of a residential EV charging demand response pilot (3 OEMs) using OpenADR signals via a third-party IoT provider; assisted in pilot analysis and regulatory reporting to NC regulators.
- Investigated OCPP connectivity failures for a network of L2 and DCFC chargers in Florida; coordinated resolution with charger vendor, CMS provider, and Duke Legal, uncovering and remediating security vulnerabilities.
- Participated in Design Thinking sessions to envision Duke's next-generation power grid — hybrid generation, Home-to-Grid, Vehicle-to-Grid, and distributed intelligence — with Cyber, Telecom, Generation, Metering, and IoT teams.
- Responsible for Agile ceremonies, JIRA board management, requirements, and team accountability to product owners across multiple concurrent workstreams.

EPI-USE — Remote | *Mar 2025 – Present*

Project Manager Level 3 — AWS Delivery Lead

AWS Professional Services | Cloud Migration | Database Modernization

- Managed migration of a large document management company from on-premises to AWS using MGN, DMS, S3, and Snowball; served as delivery manager for ongoing MSP engagement with monthly executive Cloud Cost Optimization reviews.

- Led a Database Modernization engagement assessing feasibility of migrating multiple SQL Server databases to Aurora PostgreSQL via Babelfish; pitched a two-phase modernization roadmap directly to client CEO and CIO, advancing 64% cost reduction.
- Managed an Azure-to-AWS greenfield migration, building a landing zone across multiple client operational units; coordinated AD Connector setup with a technical team in Brazil and delivered a custom AWS Workspace Pools front-end.
- Managed an AI email parsing system built on AWS Bedrock — ingested automated log notification emails, applied an LLM to interpret and classify content, and stored structured results in a PostgreSQL database.
- Drove AWS enablement across the delivery organization by leading internal Brown Bag sessions and tracking team certification progress, contributing to a 20%+ increase in certified staff.
- Authored Statements of Work and project estimates in support of pre-sales; managed weekly budget vs. actuals reporting across all active engagements.
- Applied Claude AI to synthesize customer discovery interviews for MAP Assess engagements, reducing deck preparation time by ~60% while improving output quality.

U.S. Department of Education / Federal Student Aid — Washington, DC | *Sep 2017 – Mar 2020*
Project Manager — Mobile Application Oversight

Third Largest U.S. Government Agency

- Provided oversight of prime contractor (General Dynamics / GDIT) in the development of FSA's first mobile app, enabling students to complete the FAFSA on Android and iOS using the Angular technology stack.
- Regularly briefed the FSA COO and communicated direction to GDIT, ensuring on-time delivery milestones were met across 100% of tracked sprints.
- Obtained 5c Secret Security Clearance in connection with this engagement.

Comet Global Consulting (Merkle) — Alpharetta, GA | *2015 – 2017*

Tech Lead — Business Analytics & Reporting

International Consulting Firm Specializing in Real-Time Decisioning

- Designed analytics database in Teradata to support ROI analysis for Verizon Wireless marketing division; tuned SQL performance against 100M+ row datasets to meet sub-60-second SLA requirements.
- Developed champion-challenger analysis and agent performance reporting for Verizon Wireless using Pega Real-Time Decisioning Interaction History; delivered visualizations in Tableau for senior management.
- Developed offer optimization model for Frontier Communications based on segmentation analysis of the full FIOS customer database — projected 15%+ improvement in customer lifetime value and churn reduction.
- Led multi-dimensional analysis of Merkle CRM data to surface BI insights for GM OnStar's churn reduction initiative; delivered on-site training for OnStar staff.
- Provided QlikView development for DirecTV retention channel reporting; transitioned system enhancements to DirecTV staff with full documentation.
- Mentored and trained junior developers and analysts, reducing onboarding ramp time by approximately 25%.

Strategic Support Systems (3Si) — Alpharetta, GA | *1995 – Present*

President / Owner — Solutions Consulting

Privately Held IT Solutions Consulting Firm

- Won a 5-year services contract to design, implement, host (AWS), and operate a credit card acquisition system with real-time underwriting and fraud detection for a mid-west bank; maintained 99%+ uptime throughout the engagement.
- Designed and developed a student loan refinance acquisition system for Student Loan Finance Corporation hosted in AWS (SQL Server RDS, EC2), integrating two credit bureaus, DocuSign, and multiple identity verification vendors.
- Hosted and operated a financial services loan processing application for Aqua Finance in AWS (EC2, RDS, S3) for 10+ years, managing all DevOps, security, and backup retention.
- Designed Argentina's first commercial online database for skip-trace and ID verification (Verifique), handling hundreds of millions of rows with fuzzy-logic name matching via external DLL integration.
- Managed 10+ year development and support contract from Equifax for MVWin PC Software System (C++).

TECHNICAL SKILLS

Cloud: AWS (S3, EC2, RDS, Lambda, Lake Formation, Glue, Athena, Bedrock, DMS, MGN, Route 53, IAM, VPC, Security Groups, NACLs, Cost Management) — 10+ Years | AWS Solutions Architect Associate (2022)

Databases: MS SQL Server / SSIS (10+ Years) | PostgreSQL / Aurora (10+ Years) | Oracle 11g / Exadata (10+ Years) | Teradata (5+ Years) | Hadoop / Impala / Sqoop / Oozie (3 Years)

EV / IoT: OCPP Protocol | OpenADR | Charge Management Systems | Demand Response Integration

Data & BI: T-SQL | Performance Tuning | ETL Design | Power BI | Tableau | QlikView

AI / ML: AWS Bedrock | Claude AI (Projects, Agents) | OpenAI ChatGPT | Gemini | ML model integration

Development: C / C++ (10+ Years) | Scala / Spark | PowerShell / VBScript (5+ Years) | Python / Boto3

PM & Agile: JIRA (Kanban, Scrum, Sprint Management) | Miro | Confluence | MS Office | Budget Management

EDUCATION

Master of Science, Electrical Engineering — Georgia Institute of Technology

Bachelor of Science, Electrical & Computer Engineering — University of South Carolina

CERTIFICATIONS & CLEARANCE

AWS Solutions Architect – Associate (2022) | **Secret Security Clearance / 5c** (Active) | **Commodity Trading Advisor / Series 3** (NFA, 2005)