

Kylan Thomson

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Professional Summary

Google Cloud-certified Solutions Engineer with expertise in Generative AI, Vertex AI, and custom GenAI agents. Proven track record in designing and deploying full-stack GenAI solutions, leveraging APIs and Google Cloud Platform services. Skilled in prompt engineering, AI model deployment, and developing scalable AI applications. Adept at fostering client relationships and delivering tailored solutions that drive digital transformation.

Skills

Google Cloud Solutions Engineer, Application development, Integration services, APIs development, Google Cloud Certifications, Generative AI Leader, A2A communication, Gemini Enterprise, AI and ML platforms, Google Cloud SDK, MCP Protocol, Google Application Integration, Conversational Agents, Security in AI solutions, Machine Learning, Large Language Models, Cloud architecture, Agent Development Kit (ADK), Dialogflow, Python, PySpark, Java, JavaScript, React, Node.js, AWS, Terraform, GitHub Actions, Apps Script, Generative AI, Vertex AI, Google Cloud Platform, API Development, REST API, Prompt Engineering

Work Experience

Google Cloud Solutions Engineer | GenAI

September 2025 - Current

- Resolved a critical misalignment in a challenging client engagement (JXE) by dedicating additional time to re-scope the solution, successfully stabilizing the project and leading to current discussions for follow-on work.
- Scoped a complex migration effort for Dialogue Health from Notion to Google Sites, including executing a successful Proof-of-Concept for reconstructing proprietary Notion pages into embeddable Google Docs.
- Developed a custom Generative AI application for brand-style image creation and successfully leveraged external demonstrations of the app to win subsequent projects and client workshops.
- Templatized and standardized the delivery process for Gemini Enterprise workshops, significantly improving scalability and repeatability across the Professional Services team.
- Established a new process using NotebookLM to host client engagements, enabling seamless team coverage during PTO - a workflow now incorporated into client demonstrations.
- Engineered powerful custom Generative AI agents including an agent that automates project resource allocation by ingesting context, determining skill alignment, checking calendar availability, and creating meeting invites.
- Contributed to internal product and developer enablement by collaborating with gPanel developers to establish best practices for the Gemini CLI.

Experimentation Specialist | Alaska Airlines

October 2023 - September 2024 | Seattle, WA

- Orchestrated the development of LLM-powered agentic workflows, automating experiment analysis and enhancing human-in-the-loop validation processes.
- Engineered robust Python/PySpark pipelines on Databricks for analyzing various experimentation techniques, enabling data-driven product decisions.
- Implemented experiment tagging and tracking systems, providing actionable insights on customer behavior and revenue impact.
- Deployed a Spark-based QA pipeline processing over 100,000 transactions daily, ensuring anomaly detection and system health.
- Designed and executed experiments promoting eco-friendly initiatives, driving user engagement and conversion.

Software Engineer | Credera

November 2021 - May 2023 | Seattle, WA

- Developed real-time data streams using AWS MSK and Braze, enabling personalized customer engagement.
- Conducted Java integration tests to ensure pipeline integrity and scalability.
- Implemented Infrastructure as Code using Terraform, enhancing cloud infrastructure management.
- Configured GitHub Actions for CI/CD pipelines, streamlining development workflows.
- Led website localization efforts using React and Node.js, increasing global user engagement.

Software Engineer | UNO

October 2020 - November 2021 | Richmond, VA

- Contributed to scalable software applications using AWS, React, Node.js, Python, and Flutter.
- Translated business needs into detailed technical documentation, aligning development with stakeholder goals.
- Optimized application performance using AWS solutions, ensuring efficient backend operations.
- Engineered responsive web applications with React and Node.js, enhancing user experience.
- Developed cross-platform mobile applications using Flutter, ensuring consistent user experience.

Education

Bachelor in Computer Science with Minor in Statistics

Virginia Commonwealth University | March 2021

Personal Projects

Resume Revival

Developed an AI-powered web application to optimize resumes and cover letters for ATS systems, featuring multi-job tailoring and keyword optimization.

Skills Utilized: React JS, Google Cloud Functions, Python, Gemini Integration, API Development

Outcome: Achieved a user base of over 6,000 job seekers, improving interview chances through keyword-optimized resumes.

Project URL: <https://www.resumerevival.ai/>

Drone Tower Wildfire Suppression Simulator

Built an interactive simulation modeling wildfire spread and suppression strategies using 3D terrain maps and autonomous drones.

Skills Utilized: Python, JavaScript, Three.js, NumPy, Matplotlib

Outcome: Demonstrated improved suppression effectiveness and optimal grid configurations.

AI-Powered Stock Image Creator

Developed a workflow for generating and selling stock images using generative AI, integrating ChatGPT and Flux models.

Skills Utilized: Generative AI, API Integration, Prompt Engineering, Python

Outcome: Generated 15,000 high-quality images, resulting in 12,000 sales on Adobe Stock.

Certifications

- **Google GenAI Leader Certification** (Issuer: **Google**, **October 2025**)
Validates expertise in designing and deploying cutting-edge generative AI solutions on Google Cloud.
- **Google Professional Data Engineer** (Issuer: **Google**, **April 2022**)
Demonstrates expert ability to design, build, and manage data processing systems on Google Cloud for reliability and scale. Note: Certification expired, recertification is scheduled for February 16th.
- **Google Cloud Associate Cloud Engineer** (Issuer: **Google**, **April 2022**)
Confirms foundational knowledge of deploying applications, monitoring operations, and maintaining projects on Google Cloud. Note: Certification expired.