Semeon Dawera

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Summary

Full Stack Software Engineer building scalable, high-performance web and data platforms. At Mandiant (acquired by Google/Alphabet), I developed secure dashboards and automated data pipelines that improved client onboarding and threat analytics reporting. Skilled in React, Node.js, Python, and cloud platforms like AWS and GCP, with a focus on performance, system reliability, and real-time data integration. I thrive in cross-functional teams and bring a product-focused mindset to both frontend and backend development.

Technical Skills

- Web Development: JavaScript (ES6+), TypeScript, React, Next.js, Node.js, Express.js, Angular, Vue.js, Redux, GraphQL, REST APIs, TailwindCSS, Material UI, Bootstrap, SASS
- Databases & Data Engineering: PostgreSQL, MySQL, MS SQL Server, MongoDB, Snowflake, Amazon Redshift, BigQuery, Apache Kafka, Apache Airflow, AWS Glue, DBT
- Cloud & DevOps: AWS (EC2, S3, RDS, Lambda), Google Cloud, Azure, Docker, Kubernetes, Jenkins, CircleCI, Travis CI
- Reporting & Analytics: Power BI, Tableau, SSRS, Kibana, Qlik, Sisense
- APIs & Integration: GraphQL, REST APIs
- Tools & Version Control: Git, GitHub, GitLab, Bitbucket
- Languages: JavaScript, Python, Java, C#, SQL, T-SQL, HTML/CSS, PHP, Ruby

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Certifications

- AWS Certified Data Engineer
- AWS Certified Solutions Architect
- GCP Professional Data Engineer
- GCP Associate Cloud Engineer
- Microsoft Certified: Querying Microsoft SQL Server 2012
- Java Programming Certification – Northern Virginia Community College

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Education
Bachelor of Science in Civil Engineering
Addis Ababa Institute of Technology (AAiT)

Professional Experience

Google (Mandiant Cybersecurity)
Senior Data Engineer / Senior Full Stack Developer
September 2021 – Present

- Developed internal data pipelines for automating cybersecurity client onboarding workflows using AWS Databrew, reducing onboarding time by 40%. This included provisioning infrastructure for client-specific data ingestion and validation.
- Engineered a threat analytics dashboard for incident response teams, built with React, Node.js, and Snowflake, to provide real-time visibility into threat detection logs across enterprise environments.
- Designed and deployed full-stack security tooling for incident investigation using Flask/Django, with integration into Mandiant's proprietary data lake and internal policy engines.
- Automated the streaming of security event logs from Amazon S3 to Snowflake via Snowpipes, and abstracted ingestion logic behind a secure, API-driven microservices layer.
- Integrated SAML-based authentication and RBAC into internal security applications using Google Identity, ensuring compliance with SOC2 and ISO 27001 standards.
- Led development of interactive dashboards for threat intelligence analysts using React and Power BI, combining historical attack data with real-time alerts from Mandiant's internal threat telemetry.

AtSite Inc. (InSite)
Senior Full Stack Developer / BI Developer
March 2017 – September 2021

- Built an energy monitoring portal for commercial buildings using React, Node.js, and PostgreSQL, allowing users to visualize and compare real-time energy consumption by floor and system.
- Developed ETL pipelines using Apache Airflow and Python to aggregate data from IoT-based energy meters and third-party APIs, improving reporting latency by 60%.
- Designed interactive BI dashboards in Tableau for energy consultants to model HVAC efficiency, compare energy benchmarks, and identify cost-saving opportunities.
- Created a self-service reporting UI where clients could generate energy audits, load curves, and hourly trend visualizations—backed by APIs built in Express.js.
- Migrated legacy reporting systems to AWS (EC2, S3, Redshift), introducing autoscaling and failover support for critical infrastructure.
- Led the development of an IoT device management system, monitoring thousands of sensors in real-time and visualizing device health metrics in a web-based UI.

U.S. Department of Labor – Washington D.C.
Senior Data Engineer
November 2014 – February 2017

- Modernized legacy MS Access + VBA tools by building web-based data collection and reporting apps using HTML, CSS, JavaScript, and SQL Server, reducing reporting errors and centralizing data governance.
- Created a secure, scheduled ETL workflow in Python to collect labor statistics from external APIs and load them into SQL Server, eliminating manual spreadsheet aggregation.
- Developed internal portals to track workforce training outcomes, enabling departments to drill down into participant data and export performance metrics for federal oversight.
- Refactored and optimized stored procedures and views across multiple SQL Server databases, improving execution time for mission-critical reports by 30%.
- Migrated internal reporting databases to AWS RDS and set up cloud storage for archived datasets using S3, enhancing disaster recovery and long-term access.
- Integrated charting libraries and dynamic UI features into dashboards for internal analysts to explore labor compliance trends, grant utilization, and performance benchmarks.