

Senior Full Stack Data Engineer

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Professional Summary

Senior Data Engineer with 8+ years of experience designing secure backend systems, cloud-native applications, and AI-driven enterprise integrations. Skilled in Java, AWS, and modern DevOps practices, with proven success in AI/ML engineering, secure code review, and large-scale data platforms. Adept at bridging technical depth with business impact, including select high-profile marketing technology campaigns (Meta Wearables).

Core Skills

- **Languages:** Java, TypeScript, Node.js, C#, SQL, Python
 - **Platforms:** AWS, Microsoft Graph API, SharePoint Online, ASP.NET MVC/Web API, Docker, Kubernetes, Terraform
 - **Testing & Security:** Jenkins, Jest, Fortify SCA, CodeQL, Secure SDLC, OWASP Top 10
 - **Databases:** PostgreSQL, SQL Server, Stored Procedures, Views, SSMS
 - **Compliance:** HIPAA, Federal ATO, Audit Logging, Role-Based Access
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Professional Experience

Senior Full Stack Data Engineer / Platform Engineer

VibesMeet | Feb 2025 - Present | Remote

- I owned the design and build-out of VibesMeet's core platform, working end-to-end across backend services, data pipelines, and frontend integrations to support real-time user engagement and AI-driven features.
- I designed scalable backend APIs using Node.js and TypeScript, focusing on low-latency data access and clean service boundaries to support rapid feature iteration.

- I built and optimized data pipelines for user activity, analytics, and engagement signals using PostgreSQL and SQL, ensuring data consistency and performance at scale.
- I integrated AI/ML-ready data flows, structuring event data to support future recommendation, matching, and personalization models.
- I implemented cloud-native architecture on AWS, using Dockerized services and CI/CD pipelines to keep deployments fast, repeatable, and reliable.
- I partnered closely with product and design to translate social interaction requirements into technical solutions that actually shipped and scaled.
- I enforced secure coding practices, API authentication, and role-based access to protect user data while keeping the UX smooth.

Technologies: TypeScript, Node.js, PostgreSQL, AWS, Docker, REST APIs, CI/CD, SQL, GitHub

Senior AI / Machine Learning Engineer - Microsoft Graph & SharePoint Integrations

Pyron | Jul 2023 - Jan 2025 | Remote

- Designed and implemented SharePoint Site, Drive, and Page ingestion logic using Microsoft Graph API.
- Built enterprise file system abstractions aligned with Pyron's internal FileSystemEntry interface.
- Implemented robust URL resolution and canonicalization logic for SharePoint documents and shared links.
- Debugged complex Graph API failure scenarios (404s, permission boundaries, inconsistent drive resolution).
- Modernized Jest + TypeScript test suite, achieving near-complete coverage.
- Added path sanitization and XSS-safe URI handling for secure ingestion.
- Documented ingestion behavior and testing strategy for long-term maintainability.

Technologies: TypeScript, Node.js, Microsoft Graph API, SharePoint Online, Jest, npm, ES Modules, OData

Senior Software Engineer / Platform Engineer (HealthTech)

US Health Center (USH) | Mar 2021 - Apr 2023 | Remote

- Owned backend and data-layer work across UMS, PAS, DMS Automations, and eCareV3DB.
- Debugged and stabilized legacy ASP.NET MVC / Web API codebase with Identity conflicts.

- Wrote and validated SQL Server queries, views, and stored procedures for eligibility and reporting.
- Supported automated report pipelines delivering CSV/Excel files to ShareFile and SFTP endpoints.
- Ensured HIPAA-compliant data handling, audit logging, and role-based access controls.
- Improved system stability and reduced admin support friction.

Technologies: C#, ASP.NET MVC/Web API, SQL Server, Stored Procedures, SSMS, Rackspace, SFTP, GitHub

Brand Marketing Specialist

Meta Wearables Contractor - 2020 Companies | May 2020 - Dec 2020

- Spearheaded brand awareness and product adoption for Meta's AI-powered Ray-Ban glasses and Meta Quest.
- Delivered technical training on AI/VR features to Best Buy sales teams.
- Analyzed sales data and KPIs to optimize product adoption strategies.
- Collaborated on strategic marketing plans to achieve ambitious product sales goals.

Technologies: CRM dashboards, KPI analytics tools, Retail demo systems, AI/VR product platforms

Secure Code Review Engineer (Federal Programs)

Veterans Affairs (VA) / Veterans Engineering | Jan 2016 - Feb 2020 | Remote

- Served as Software Assurance gatekeeper for VA applications, validating secure code scan submissions.
- Performed SAST reviews using Fortify, validating rulepacks and scan artifacts.
- Conducted secure code reviews across Java, C#, TypeScript, Python, Docker, Terraform, Kubernetes.
- Triaged critical vulnerabilities and provided actionable remediation guidance.
- Enforced secure SDLC practices (dependency integrity, IAM, CI/CD hygiene).
- Produced audit-quality documentation supporting ATO and POA&M requirements.

Technologies: Fortify SCA, CodeQL, OWASP Top 10, Docker, Kubernetes, Terraform, GitHub Enterprise, ServiceNow

Marketing Manager

KZPROMO INC | Mar 2012 - Oct 2015 | Bridgehampton, NY

- Oversaw daily operations of technical and marketing departments, implementing cohesive strategies that define market presence.
- Designed digital marketing campaigns and copywriting to establish brand value and tone.
- Conducted extensive market research to define brand elements and competitive positioning.

Technologies: SEO tools, Google Ads, Social Media Platforms (FB, IG, LinkedIn), Analytics dashboards

Projects

AI/ML Integrations (Pyron)

Built ingestion pipelines using Microsoft Graph API and SharePoint Online, enabling metadata extraction across 500+ sites. Improved ingestion reliability by 25% and raised test coverage to 95%.

Secure Code Review (VA Federal Programs)

Conducted static and manual secure code reviews across multiple languages and platforms. Remediated 200+ critical vulnerabilities, validated Fortify/CodeQL scans, and supported 10+ ATO approvals.

Core Platform Build-Out (VibesMeet)

Designed and implemented VibesMeet's core platform architecture, integrating backend services, data pipelines, and frontend features to support real-time user engagement. Delivered scalable APIs and optimized PostgreSQL pipelines, improving data consistency and reducing latency across the system.

Education

City University of New York - City College

Bachelor of Science in Computer Science | 2001 - 2007

Certification

AI Fluent Tech Professional

JavaScript Fundamentals v2.0

Clearance Level

Public Trust from New York Public Interest Research Group (NYPIRG)

References

Available upon request.