

Kaise White

Cloud & DevOps Engineer, Full Stack Engineer, AI & Automation Engineer



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About Me

Sr. Cloud Engineer with 10+ years of experience in AWS architecture, serverless solutions, database management, and infrastructure automation. Proven expertise in full-stack application development, building and deploying scalable AI-driven solutions, and leveraging automation to enhance cloud efficiency. Skilled in Infrastructure as Code, CI/CD pipeline implementation, and optimizing cloud infrastructure for performance, security, and cost efficiency. Passionate about using AI and automation to streamline workflows, improve decision-making, and create intelligent applications.

Skills

Cloud: AWS, GCP, Firebase, Heroku

OS: Red Hat Linux, Ubuntu, Debian, OSX, Windows Server, Tomcat

IaC: Terraform, CDK, Cloudformation, Ansible

DB: Postgres, MySQL, SQL Server, Oracle, DynamoDB, Redis, PGVector, Pinecone

Languages: JavaScript, TypeScript, Python, Bash/Shell, SQL, PowerShell

Frameworks: NextJS, ReactJS, Deno, NodeJS, ExpressJS, SpringBoot

Version Control: GitHub, CodeCommit, BitBucket, GitLab

Containerization: AWS (ECR, ECS, Fargate), K8, Docker

Monitoring: AWS (CloudWatch, CloudTrail), Sentry, Splunk, Grafana, Statsig

Networking: AWS (VPC, Route53, NAT Gateway, VPC Peering), Transit Gateway, Endpoint Service

Education

- Master of Engineering: Computer Science 2013 - 2015
Virginia Tech
- Bachelor of Science: Information Systems 2009 - 2013
Radford University

Security Clearance

Secret (Inactive)
Public Trust (Active)

Experience

- Technical Founder 2024 - Present

RILLY (Self Employed)

- Built and launched a community-driven social app for sharing dating experiences.
- Full-Stack Development: Developed the iOS app in Swift; built backend with Node.js, **Express**, and Prisma on **PostgreSQL**; managed AWS infrastructure (**RDS**, **SQS**, **SNS**, **Route53**, **CloudFront**, **ElastiCache**).
- Deployment: Led App Store submission, compliance, business registration, and trademarking.
- Business Operations: Drive product strategy, hiring, and team growth.
- Marketing: Led branding and user acquisition, with plans to scale outreach.

- Co-Founder & CTO 2023 - Present

Mostrom, LLC

- Lead full-stack development, designing and building scalable web and mobile applications.
- Architect and manage cloud infrastructure to ensure reliability, security, and performance.
- Oversee end-to-end product development, from ideation to deployment.
- Set engineering best practices and guide a team in delivering high-quality, maintainable code.
- Optimize system performance, scalability, and security across all products.
- Collaborate with cross-functional teams to align technology with business strategy.
- Frontend: **NextJS**, React, **Svelte**, Swift (**iOS**), Kotlin (Android)
- Backend: Deno, Node.js, Express, **PostgreSQL**, Redis, Prisma, Cloud & DevOps: AWS, Docker, **Kubernetes**, **Terraform**

- Lead Cloud Engineer / Manager 2022 - Present

United Medical Center

- Contracted through Publicis Sapient
- Managed AWS multi-account, multi-region architecture (**AWS** Organizations, VPC, **Transit Gateway**, CloudFormation).
- Developed financial dashboards using AWS Cost Explorer and QuickSight for cost optimization (Savings Plans, AutoScaling, Spot Instances).
- Converted CloudFormation IaC to **CDK** in **TypeScript**.
- Implemented **Fargate** and **Kubernetes**, reducing server instances by 90% and cutting operational costs by 50%.
- Built CI/CD pipelines with **GitHub**, **Jenkins**, CodeBuild, CodePipeline, and CodeArtifact, integrating **SonarQube** for static code analysis.
- Migrated from Bitbucket, Bamboo, Nexus to AWS-native services (CodeCommit, **CodeBuild**, CodePipeline, CodeArtifact).
- Architected and deployed serverless applications with **Node.js**, **Python**, Lambda, API Gateway, EventBridge, **DynamoDB**.
- Implemented monitoring & logging using CloudWatch, Grafana, and ELK stack for distributed observability.
- Automated compliance and security policies (**IAM**, **VPC**, Patch Manager, Ansible) to maintain HIPAA and FedRAMP standards.

Experience (Continued)

- **Sr. Cloud Engineer** 2019 - 2021
Department of Education: Federal Student Aid
 - Deployed Docker containers on **ECS** and **Fargate**, orchestrated with **EKS**.
 - Built and deployed **Node.js** microservices with **Lambda**, API Gateway, integrating with **SES**, **DynamoDB**, and **SQS**.
 - Designed scalable AWS infrastructure with **VPCs**, subnets, security groups, and **IAM** roles.
 - Designed AWS infrastructure using **Terraform**, **CloudFormation**, and orchestrated containerized workloads with **EKS**, **Fargate**, Docker.
 - Optimized AWS resource utilization for significant cost savings.
 - Migrated legacy applications to **AWS**, improving performance, scalability, and cost efficiency.
 - Built serverless applications with **Lambda** and **API Gateway**, reducing operational overhead.
- **Sr. SQL Developer** 2018 - 2019
United Medical Center
 - Acted as **SME** for database architecture, design, and configuration.
 - Managed **PostgreSQL**, **SQL Server**, optimizing query execution, partitioning, and indexing for high-volume healthcare data.
 - Automated company-wide data analytics reporting platform.
 - Monitored **ETL** processes using SFTP, **SQL** Scripts, **PowerShell**, and **SSIS**.
 - Managed QA, Staging, and Production environments.
 - Optimized **EMR data warehouse** with table partitioning, indexing, and query tuning.
 - Migrated on-premises databases to AWS **RDS**, improving performance and reliability.
 - Conducted security assessments for **HIPAA** and PCI-DSS compliance.
 - Developed and tested DR and BCP strategies.
 - Led DBA team, driving performance and scalability improvements.
- **Database Analyst** 2017 - 2018
Winrock International
 - Integrated reporting services into Winrock's proprietary platform.
 - Audited Microsoft licensing in **Azure** AD and O365 using **PowerShell** and **SQL**, improving license tracking and cost savings.
 - Migrated Crystal Reports to **SSRS**, enhancing reporting efficiency.
 - Automated processes with complex scripts, stored procedures, and triggers.
- **Database Analyst** 2017 - 2018
Skadden, Arps, Slate, Meagher & Flom LLP
 - Optimized **Relativity** database performance (**SQL Server**, T-SQL, indexing, performance tuning).
 - Developed custom workflows for data processing (Relativity, SQL Server, SSIS, Python, **PowerShell**).
 - Ensured data compliance with legal regulations (GDPR, LegalHold).
 - Analyzed data to support case strategy (Power BI, Excel, T-SQL).
- **Database Administrator** 2016 - 2017
Clutch Group
 - Designed and maintained optimized databases for high performance and scalability.
 - Provided technical support for database access, querying, and updates.
 - Resolved database issues to minimize operational disruptions.
 - Assisted with backup and recovery procedures.
 - Automated data analytics reporting platform.
 - Monitored **ETL** jobs using SFTP, **SQL** Scripts, **PowerShell**, and **SSIS**.
 - Managed QA, Staging, and Production environments.
 - Optimized EMR data warehouse with table partitioning, indexing, and query tuning.
- **Database Analyst** 2013 - 2016
Driven, Inc
 - Provided end-user support for database systems.
 - Monitored and optimized database performance.
 - Designed databases, developed data models, and configured systems.
 - Processed and cleansed data using **SQL**, MS Access, and Excel.
 - Loaded, extracted, and validated data for platforms like Relativity and ONE.
 - Developed scripts for data manipulation and extraction.
 - Administered proprietary tools (**Citrix**, **Relativity**, Driven ONE).
 - Managed escalations and issue resolutions.
 - Monitored application functionality and performance.

Projects

● Technical Founder | Rilly

<https://www.rilly.dating>

Founded a social platform connecting users through shared dating experiences. Developed the iOS app in Swift with backend microservices in **Node.js**, **Express.js**, and **PostgreSQL**. Designed and managed AWS cloud infrastructure (**RDS**, **SQS**, **SNS**, **Route53**, **CloudFront**, **ElastiCache**). Launched independently on the iOS App Store and led product strategy, compliance, hiring, and marketing.

● Intelligent Documentation Crawler & RAG Agent

[Github](#)

Built an AI-powered crawler and **RAG** agent using **LangChain**, **Postgres**, and **OpenAI**. Crawls legal websites, stores content in a vector database, and retrieves relevant sections to help users understand state-specific laws.

● AI Chatbot Project

[Github](#)

Developed an open-source chatbot SDK using **Next.js**, **AI SDK**, and **Tailwind** CSS. Integrated multiple LLM providers (**xAI**, **OpenAI**, **Fireworks**) via a unified API. Used **Postgres** for chat storage, Vercel Blob for file storage, and **Auth.js** for secure authentication.

● RSI-Based Trading Bot

[Github](#)

Developed an automated trading bot using **Python** that integrates RSI technical analysis with **OpenAI's** GPT for real-time trading decisions. Implemented automated order execution via Alpaca API with risk management features including position sizing and automated exits. Key Technologies: Python, OpenAI API, **Alpaca API**, RSI Analysis