# Omie Walls

**Full-Stack Software Architect with 9+ years experience in enterprise and startups**

📞 404-576-3956     @ mail@omiewalls.com     📍 St. Louis, MO

## SUMMARY

Innovative, Full-Stack Software Engineer with almost a decade of rich, cross-industry experience. Advanced in TypeScript (React/Angular/Node.js), SQL, Java, and cloud DevOps on GCP and AWS. Expertise in system architecture, database architecture, adept debugging, and UI/UX design. Proven leader with strong management skills and a knack for solving complex problems. Passionate about thriving in a positive, collaborative culture.

## TECHNICAL SKILLS

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|---|---|
| **Programming Languages** | TypeScript, JavaScript, Java, SQL |
| **Front-End Development** | React, Angular, TailwindCSS, Next.js, Remix, HTML/CSS, jQuery, Flutter |
| **Back-End Development** | Node.js, Spring Framework, Nest.js, Express, Fastify |
| **Databases** | PostgreSQL, MySQL, Oracle, MongoDB, DynamoDB, Prisma ORM, Drizzle ORM, TypeORM, MikroORM |
| **DevOps & Cloud Platforms** | **AWS** (CDK, EC2, ECS, ECR, CodeBuild, CodeDeploy, CodePipeline, S3, DMS, Lambda, SNS, Cloud9, IAM, DynamoDB), **GCP** (AppEngine, BigQuery, DataStore, Pub/Sub, DataFlow), Docker, CI/CD Pipelines, Infrastructure as Code (AWS CDK) |
| **Tools & Technologies** | GraphQL, MobX, Expo, Inversify.js, Apache Karaf OSGi, Service Mix, Figma, Framer, IcePanel, Archimate 3.0 |
| **Architecture** | Database Architecture, Application Architecture, System Architecture, Performance Tuning |
| **Design** | UI/UX Design, Logo Design, Wireframing & Prototyping |
| **Product Management** | Agile Methodologies, JIRA, ClickUp, ProductBoard, Team Leadership, Product Management, SCRUM, Gherkin-style, PI Planning |
| **Miscellaneous** | Bash Scripting, RFID Technology, Facial Recognition Technology, Peripheral Hardware Integration |

## EXPERIENCE

### Full-Stack Software Engineer (Lead)
📅 Jan 2024 — Now

The Version 2     📍 Salt Lake City, UT (**Contract— Weekends**/Remote)

- Co-developing a new ad tech buying/management platform from the start.
- Enhanced advertising capabilities by integrating Google DV 360 DSP into the ad network platform.
- Created intricate database solutions to support work-in-progress (WIP) and synchronization concepts.
- Developed a reusable component library from the ground up, simplifying development processes.

- Worked closely with the CTO, CPO, and COO to provide technical expertise and ensure project success.

**Technical:** Application Architecture, Data Architecture, TypeScript, JavaScript, React (Remix.run), PostgreSQL, TailwindCSS, and PrismaORM.

### System Architect
📅 Jan 2023 — Jan 2024

iCreate.Fashion
📍 Phoenix, AZ (W2, Remote)

- Designed scalable system architecture for Warehouse Management Systems (WMS) and Warehouse Execution Systems (WES) in IcePanel from an undocumented proof-of-concept.
- Re-architected the database to achieve third normal form (3NF) and performed data migration using AWS DMS.
- Solely responsible for UI/UX design and the majority of full-stack development, contributing over 95% of the codebase.
- Created & organized sprints, epics and backlogs according to Agile Methodology.
- Wrote technically groomed tickets for junior developers in Gherkin style with significant detail, pixel-perfect mockups, and illustrations.

**Technical:** Application Architecture, Data Architecture, TypeScript, JavaScript, React (Remix.run), PostgreSQL/MySQL, TailwindCSS, and PrismaORM, AWS (CDK, EC2, ECS, ECR, CodeBuild, CodeDeploy, CodePipeline, S3, DMS), Figma, Framer (UI/UX), Product Management.

### Full-Stack Software Engineer (Lead)
📅 Oct 2022 — Jan 2023

iCreate.Fashion
📍 Phoenix, AZ (**Contract — Weekends,** Remote)

- Automated infrastructure deployment by scripting AWS CDK to generate multi-environment setups, introducing CI/CD processes to replace manual deployments.
- Documented and diagrammed the entire existing application infrastructure.
- Addressed and fixed significant cloud security vulnerabilities within the DevOps infrastructure.Designed a new database and implemented ETL processes without compromising data integrity.
- Facilitated local development environments by implementing Docker-based local databases, resolving issues with shared cloud databases in the test environment.
- Implemented and diagrammed a multi-phase scalability plan ensuring zero-downtime deployments.
- Built a comprehensive CI/CD pipeline using AWS services (ECS, CodePipeline, CodeBuild, ECR, EC2 Application Load Balancers, and Docker).

**Technical:** Application Architecture, Data Architecture, TypeScript, PostgreSQL/MySQL, TailwindCSS, and PrismaORM, AWS (CDK, EC2, ECS, ECR, CodeBuild, CodeDeploy, CodePipeline, S3, DMS), CyberSecurity

### Full-Stack Software Engineer (Senior)
📅 Jan 2021 — Jan 2023

Liquidware
📍 Alpharetta, GA (W2, Remote)

- Sole developer responsible for transitioning the greenfield UI Beta using Angular UI and TailwindCSS.
- Led the multi-phase transition from a legacy Apache Wicket (Java) system to Modern architecture.
- Collaborated on a distributed backend architecture using Java, Spring, and Apache Karaf OSGi with ServiceMix modules.
- Designed and implemented user-friendly and visually appealing interfaces for client-facing cybersecurity administrator dashboards.

**Technical:** Angular v13, RxJs, Figma, Bash, SQL (MS SQL Server), Java, Spring Framework, UI Design, Apache, Scripting, OSGi.

## System Architect
📅 Mar 2019 — Jan 2021

Photology
📍 Atlanta, GA (**Contract**, Remote)

- Architected entire database solution that solved for complex issues such as scheduling, fleet management, vendors, clients, employees, jobs, appointments, and portal-based ordering systems in PostgreSQL.
- Co-developer for SaaS product; contributing to both front-end and back-end development.
- Executed project roadmaps, sprints, epics, feature mapping, and case studies.

## Full-Stack Software Engineer (Lead)
📅 Jul 2017 — Oct 2018

Daugherty Business Solutions (for The Home Depot)
📍 Atlanta, GA (**W2**, Onsite)

- Sole developer responsible for transitioning the greenfield UI Beta using Angular UI and TailwindCSS.
- Led the multi-phase transition from a legacy Apache Wicket (Java) system to Modern architecture.
- Designed and implemented user-friendly and visually appealing interfaces for Client-facing cybersecurity administrator dashboards.
- Collaborated on a distributed backend architecture using Java, Spring, and Apache Karaf OSGi with ServiceMix modules.

**Technical:** Angular v13, RxJs, GCP BigQuery/DataStore, Java, Spring Framework, RFID, Facial Recognition technology, GCP AppEngine, GCP Pub/Sub + GCP DataFlow, Product Management.

## Full-Stack Software Engineer (Senior)
📅 May 2016 — Jul 2017

The Home Depot
📍 Atlanta, GA (**W2**, Onsite)

- Identified and resolved critical validation and parsing errors in a batch application, saving The Home Depot over $10 million per day.
- Led the development team while also assuming responsibilities as an interim product manager for six months.
- Served as the lead developer on a team of eight for multiple supply chain management applications.
- Provided support to junior developers, assisting with production debugging and issue resolution.
- Refactored several applications from Angular.js v1.2 to Angular v2, improving performance and maintainability.
- Efficiently organized sprints, enabling the team to consistently stay two weeks ahead of schedule.
- Achieved an average of 55 points per two-week iteration using the Fibonacci scale for task estimation.

**Technical:** Angular v2, jQuery, GCP AppEngine, GCP BigQuery, Tomcat Grid, Gulp.js, Angular.js, Java, Spring Framework, Spring Batch, Product Management, UI/UX Design, SQL (Oracle).

## EDUCATION

### Bachelor of Science
Information Science & Technology
Jan 2014 — Aug 2016

University of Wisconsin
Milwaukee, WI