

# EMMA GERIG

Full Stack Software Engineer · Hood River, OR · Open to Remote

## SUMMARY

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Full-stack software engineer with 3+ years delivering production web applications across backend services, RESTful APIs, relational databases, and React frontends. Experienced integrating LLM APIs and vector databases into production AI-powered products. Background in fine art and design informs a strong instinct for developer experience, clear API contracts, and interfaces that feel good to use. Proven track record shipping reliable, well-tested software in fast-moving Agile teams, with deep fluency in AI-assisted development workflows including Claude and Cursor.

## SKILLS & TECHNOLOGIES

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<b>Frontend:</b>	TypeScript, JavaScript, React, Next.js, React Native, TanStack Query, Redux, Webpack
<b>Backend:</b>	Node.js, C#, .NET, TypeScript serverless functions, Java (CI/CD scripting)
<b>AI &amp; LLMs:</b>	LLM API integration, vector databases, context builders, Claude, Cursor
<b>Databases:</b>	PostgreSQL, MySQL, Neon, Firebase (NoSQL)
<b>Auth &amp; Identity:</b>	SSO configuration, OAuth2 flows, token-based auth, session management
<b>Cloud &amp; Infra:</b>	AWS, Vercel, Docker, GitHub Actions, TeamCity, CI/CD pipelines
<b>Tooling:</b>	Git, Jira, Confluence, Playwright, Jest, Axios

## PROFESSIONAL EXPERIENCE

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### Software Engineer — Olio Apps

2023 – Present

- Built and shipped full-stack features across backend services, REST APIs, PostgreSQL databases, and React frontends for enterprise and startup clients.
- Integrated LLM APIs and vector databases into production products, building context pipelines that process structured data and drive AI agent behavior.
- Designed data contracts with backend teams to power customizable, user-editable BI components for a Fortune 5 client.
- Led a 2-month CI/CD migration for a Fortune 5 client, porting 23 TeamCity build steps to GitHub Actions across 6+ test suites, including Java backend builds.
- Developed SSO and identity configuration UIs for enterprise authentication workflows.
- Participated in architectural planning, code reviews, and Agile sprint ceremonies across multiple concurrent client engagements.

## RELEVANT PROJECTS

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### OneFlo — AI Agent with LLM Integration

TypeScript · Node.js · PostgreSQL · AWS · Twilio · LLM APIs · Vector DB

- Built a context builder feeding structured JSON discharge notes into an LLM API to determine patient discharge location and auto-tag discharge types, driving AI agent behavior.
- Integrated a vector database to persist and retrieve patient context across multiple outreach sessions over time.
- Designed contact prioritization and phone validation systems producing an ordered contact list consumed by the AI agent via SMS outreach.

### Schaiduler — AI-Contextualized SMS Platform

Next.js · TypeScript · Node.js · PostgreSQL · Twilio · LLM APIs · Vector DB · Vercel

- Integrated LLM APIs and a vector database to track and contextualize past SMS conversations, enabling coherent, personalized AI outreach over time.

- Built a production Twilio A2P SMS system, phone number provisioning wizard, and end-to-end auth flows from token generation to frontend UI.

### **TBM Studio & Cost Transparency — Enterprise BI Platform**

*TypeScript · React · Highcharts · PostgreSQL · Jest · Rush monorepo (~140 packages)*

Jan 2025 – Present

- Architected Compatible Visualization -- designed a standalone compatibility package enabling users to dynamically switch between Table, Bar, Column, Stacked, Line, and Pie charts with all data and formatting props persisting across swaps. Owned spec, technical design doc, stakeholder sign-off, tickets, and GA release.
- Built a Bubble Chart pure component using Highcharts with custom SVG legend behavior beyond library defaults, on-render event handling for deeply nested objects, and custom testing utilities; achieved 100% test coverage aligned with codebase standards.
- Designed a recursive style resolution function for text-color inheritance across chart components -- traversing parent containers and respecting explicit child overrides -- reducing styling inconsistencies across all chart types.
- Commonized Cartesian chart format panels by auditing duplicated logic across implementations and extracting shared behavior into a single reusable panel, reducing technical debt and simplifying future chart onboarding.

### **Apptio — Authentication & SSO Configuration**

*TypeScript · React · Playwright · Jest · Axios · TanStack Query*

Jun 2024 – Nov 2024

- Developed SSO and identity configuration UIs for enterprise authentication workflows at a Fortune 5 company.
- Integrated UI flows with backend API endpoints using Axios and TanStack Query for efficient data caching.

### **Apptio — TeamCity to GitHub Actions CI/CD Migration**

*GitHub Actions · Java · Bash · TeamCity · Linux*

2024

- Migrated 23 build steps from TeamCity to GitHub Actions over 2 months, writing and debugging Java build scripts and Bash automation across 6+ test suites and multiple environments.
- Designed and documented the new testing framework, interpreting complex legacy architecture for the engineering team.

## **EDUCATION**

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### **Epicodus**

Full Stack Web Development · Portland, OR · 2023 · Internship: Olio Apps

### **Oregon College of Art and Craft**

MFA · Portland, OR · 2018

### **Goshen College**

BA, Art / Environmental Science / Social Policy · Goshen, IN · 2014