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## PROFESSIONAL SUMMARY

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High achieving and adaptive Software Engineer with 3 years of full stack development experience, successfully transferred from a career in the logistics industry. Proven expertise in scoping, developing, testing, and maintaining CRM, mobile, and web solutions. Strong background in team leadership, project management, and relationship building. Committed to continuous learning and growth in technology. Active member of the Software Development Curriculum Advisory Board for Saint Louis Community College, contributing to industry-relevant educational advancements.

## Key Skills

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Java | Golang | Linux | Spring | JavaScript | React | Android | Kotlin | Jetpack Compose | Python | SQL | PostgreSQL | MongoDB | Hibernate | Tailwind | Git | Database Management | Html/CSS | Docker | APIs | AWS | EC2 | Nginx | Debugging | Scripting | Testing

## Professional Experience

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**Software Engineer**, Calicore Software – Edwardsville, IL | Nov 2024 – Present

- Tech used: JavaScript, React, Typescript, GraphQL, AWS
- Designed and developed React components with Material UI and Typescript to streamline administrative tasks and enhance user interfaces
- Built responsive, user centric customer facing interfaces using React, Material UI, and Typescript
- Crafted efficient GraphQL queries to optimize data retrieval and improve system performance
- Developed robust React components enabling programmatic updated to DynamoDB schemas using Typescript
- Engineered AWS Lambda function in Golang to support email notifications and marketing campaigns
- Implemented Typescript based Lambda functions to facilitate seamless account transfer processes
- Collaborated with a senior developer using Git for version control, ensuring high quality code and streamline teamwork.

**Full-stack Developer**, 1218 Global – EMEA, Leicester UK | Sep 2022 – May 2024

- Tech Used: Java, Python, React, SQL, Apex, Lightning Web Components
- Collaborated with cross-functional teams using Agile methodologies, including daily standups and sprint planning to deliver high-quality software on time.
- Saved client **£40,000** in upgrade fees by developing a custom integration for Sage financial software, eliminating the need for an expensive upgrade.
- **Increased operational efficiency** by automating repetitive tasks with Python, reducing manual effort and enabling faster data processing.
- **Boosted scheduling efficiency** by **30%** through the implementation of interview scheduling and calendar notification components.
- Enhanced recruiter productivity by creating dynamic React components improved candidate tracking and visibility in the ATS.
- Reduced manual effort by **75%** and achieved **25%** cost savings by developing a rules engine to accurately match employee shift premiums and bonuses.
- **Streamlined budget and payroll processes** with an automated nightly update system reducing manual effort by **40%**.
- **Streamlined data analysis** by leveraging Python and Pandas and inspect employee, payroll, and shift datasets, identifying key insights for reporting.
- **Enhanced reporting capabilities** by cleaning and combining employee, payroll, and shift data using Python and Pandas ensuring accuracy and completeness in reports.
- Designed and Implemented SQL database schemas, tables, indexes, relationships, triggers, and functions.
- Created intricate SQL efficient queries to query data for backend services or to perform create, read, update, and delete operations.

**Android Developer** Panera Bread, Fenton MO | Mar 2022 – Sep 2022

- Tech Used: Java, Kotlin, Jetpack Compose, Agile, Scrum
- Earned SAFe Agile certification, demonstrating expertise in scaling Agile practices across large teams and managing cross functional collaboration for enterprise-level projects.

- Collaborated with cross-functional teams using Agile methodologies, including daily standups, Scrum poker, sprint planning, ticket refinement, and retrospectives to deliver high-quality software on time.
- Revitalized customer satisfaction and retention by developing innovative mobile app features resulting in a **20%** increase in user engagement.
- Enhanced order tracking accuracy by implementing an advanced order tracking improving customer satisfaction by **15%**.
- Resolved critical bugs reported by users and QA team, leading to a **30%** reduction in app crashes and improved user experience.
- Streamlined customer order requests by implementing Java and Kotlin backend logic.
- Developed visually engaging UI components using Jetpack Compose, significantly improving app aesthetics and user interaction.

## Education

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**Bachelor of Science in Computer Science**, Maryville University | Expected Graduation **Spring 2025**

**Associate of Applied Science in Software Development**, Saint Louis Community College | **Spring 2022**

## Projects

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- **Portfolio Frontend:** *Under Construction*, I think I accidently DOS the site the other day while testing. I am in the middle of migrating the frontend from Next.js to Vite and upgrading the schedule component on the frontend and backend to use web sockets. So, I haven't had a chance to take a look at the issue. This is the code for the frontend of my portfolio site at <https://zachpalmer.dev>. It is built in React and Vite. <https://github.com/Z3DRP/zrp-portfolio>.
- **Portfolio Backend:** The backend to my portfolio site. It is built in Go, Redis, and Docker because I just love Go. I am using a MongoDB atlas cluster because the ease of setting up the database. <https://github.com/Z3DRP/zportfolio-service>
- **Bojo:** A job search automation cli tool, built in python and typer | <https://github.com/Z3DRP/bojo>
- **Debug Log Filter:** CLI for filtering debug logs built with Python. | <https://github.com/Z3DRP/Debug-Log-Filterer>
- **Zypher:** Custom encryption algorithm I built in Golang. I always hear don't role your own auth but this is part of my own auth. Its purpose is to provide extra security for password hashes. I took inspiration from the way Blockchain hashes keys multiple times, but instead of Elliptical Curve Multiplication I used multiple rounds of SHA-512 and cyphering | <https://github.com/Z3DRP/zypher>
- **Creature Creator:** AI Creature art generator built in React, Node and Express backend. | <https://github.com/Z3DRP/Creature-Creator>
- **Alessor-Web-Service:** Java and Spring backend for Alessor app. | <https://github.com/Z3DRP/Alessor-Web-Service>
- **Alessor:** Property management system with chat, ai assistant built with Typescript/React. | <https://github.com/Z3DRP/Alessor>