

## **ZACHARY MELANCON**

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## **SUMMARY**

Senior Software Engineer with 9+ years of experience specializing in front-end development and full-stack solutions. Proven expertise in leading Agile projects, enhancing customer experiences, and optimizing development workflows. Passionate about leveraging AI tools like GitHub Copilot and ChatGPT to improve code efficiency, streamline development, and mentor engineering teams.

## **PROFESSIONAL EXPERIENCE**

### **BillGO**

#### **Senior Software Engineer**

Fort Collins, CO | March 2021 – Present

- Spearheaded development of a greenfield operations application in under two quarters, enabling customer service reps to streamline solutions and reduce costs.
- Led UI development for multi-platform widgets and an SDK to enhance bill payment software integration.
- Collaborated with design teams to build a reusable, cross-functional component library using Gluestack/React Native, maintaining development efficiency after downsizing.
- Championed best practices for code quality and scalability, conducting regular code reviews and mentoring team members.
- Integrated AI-powered tools like GitHub Copilot and ChatGPT to accelerate development workflows, refactor legacy code, and enhance documentation efficiency.

### **Flowhub**

#### **Software Engineer 3**

Denver, CO | Nov 2019 – March 2021

- Spearheaded adoption of TypeScript and end-to-end testing, significantly improving JavaScript project reliability.
- Designed and implemented data flow solutions across multiple databases, ensuring seamless data management.
- Developed a comprehensive React component library, standardizing development processes across teams.

### **SailPoint Technologies**

## **UI Engineer 3**

Austin, TX | Aug 2018 – Oct 2019

- Built a multi-factor authentication flow in Angular, strengthening security protocols.
- Automated UI module dependency loading, improving efficiency and user experience.

## **IBM & GoodLooking Company**

### **Software Engineer**

**Various Locations | Inquire for details**

- Developed and maintained scalable software solutions for enterprise clients.
- Worked on full-stack development, optimizing system performance and user experience.

## **EDUCATION**

### **Bloc - Coding Bootcamp**

San Francisco, CA | 2014-2015

Certificate in Software Engineering

### **Louisiana State University**

Baton Rouge, LA | 2006-2010

B.A. in English, Minor in Philosophy

## **KEY SKILLS**

- **Front-End:** React, React Native, Angular, TypeScript, Redux, RxJS, Sass
- **Back-End:** Node.js, Express, Ruby on Rails, PHP
- **Databases:** MongoDB, PostgreSQL, MySQL
- **DevOps:** AWS, Kubernetes, Docker, Terraform
- **Mobile:** React Native, Swift, Java
- **Testing:** Jest, Cypress, Selenium, TDD, BDD
- **AI & Productivity:** GitHub Copilot, ChatGPT, AI-powered code refactoring
- **SDLC:** Agile, Scrum, Jira

## **PROJECT HIGHLIGHTS**

- Developed a design system and component library at BillGO, ensuring consistency and scalability across projects.
- Optimized team workflows by integrating AI tools like GitHub Copilot and ChatGPT, reducing development time and improving code quality.
- Led architecture decisions for scalable front-end applications, improving system reliability and performance.

## **ADDITIONAL INFORMATION**

- Passionate about front-end architecture, design systems, and AI-assisted development.
- Experienced in mentoring junior developers and improving team efficiency through best practices.
- Passionate about workplace collaboration and employee empowerment through technology, currently developing Pistachio Society, a platform to support workers in advocating for fair and transparent workplaces.