Daniel K. **Budziwojski**

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Summary

Inquisitive and persevering full-stack developer seeking a Software Engineering position where I can utilize my hands-on experience in various technologies to make an impact. Contributed to open source projects and volunteered on developing a public health app. Strong team player that delivers under pressure in an agile environment.

Education

University of Southern California   *Los Angeles, CA*

M.S. IN COMPUTER SCIENCE - EXPECTED DEC 2023
                                                                                                    Aug 2020 - Dec 2023
B.S. IN COMPUTER SCIENCE (SUMMA CUM LAUDE) - GPA: 3.96 - MAY 2023

Coursework: Algorithms & Theory of Computing, Data Structures, Artificial Intelligence, Computer Systems (x86), Embedded Systems, Software Engineering, OO Design, Operating Systems, Internetworking, Computer & Network Security, Security & Privacy, Multimedia Systems, DB Systems

San Jose State University   *San Jose, CA*

COMPUTER SCIENCE - GPA: 4.0, PRESIDENT'S SCHOLAR ALL SEMESTERS   *Aug 2019 - May 2020*

Experience

New Relic   *San Francisco, CA*

SOFTWARE ENGINEERING INTERN   *May 2023 - Aug 2023*
- Led the automation of end-to-end test suites for New Relic's Kubernetes agent, resulting in a 95% reduction in test execution time. Integrated the updated test suite into GitHub Actions to establish a fully automated CI workflow for all future releases.
- Triaged New Relic Kubernetes Agent bugs in Google Cloud Platform deployments.
- Collaborated with cross-functional teams throughout the design and implementation phases to ensure backwards compatibility.
- Developed comprehensive unit and end-to-end tests using Go.

Redfin   *San Francisco, CA*

SOFTWARE DEVELOPMENT ENGINEERING INTERN   *May 2022 - Aug 2022*
- Developed a Redfin Agent Tools feature that reduces internal agent search times by 50% using ReactJS, Spring Boot, and PostgreSQL.
- Contributed to launching Redfin's most requested feature on iPad using Swift, UIKit, and SwiftUI.
- Designed and implemented a technical specification and API contract by collaborating with project managers and designers.
- Created unit tests with JUnit, end-to-end tests using Mockito, and performance dashboards with Grafana.

USC Institute for Creative Technologies   *Playa Vista, CA*

SOFTWARE ENGINEERING INTERN   *Feb 2021 - May 2022*
- Designed new OpenTutor admin features with a TypeScript ReactJS front-end, GraphQL back-end, and a NoSQL database to generate and export data in CSV, PDF, and other proprietary formats.
- Developed responsive bulk data editors with filters, regex searching, and cursor-based server-side pagination reducing lesson grading times by 30%.
- Prototyped and led development of a Node.js testing framework for mocking complex GraphQL calls for internal use in CI/CD pipeline.

USC Institute for Creative Technologies   *Playa Vista, CA*

REU INTERN   *May 2020 - Aug 2020*
- Worked on an open-source research project to scale up rapid authoring and training of dialog-based intelligent tutoring systems.
- Designed and implemented web-based mobile-first clients for OpenTutor system using ReactJS (with Redux) and Gatsby frameworks with MaterialUI components and GraphQL queries. Prototyped a mobile client with React Native for internal consumption.
- Developed full end-to-end tests utilizing Cypress, snapshot tests with Percy, and deployed onto AWS with Docker containers.

Kingdom Brick Supply LLC   *Sunnyvale, CA*

SOFTWARE ENGINEER (PART TIME)   *Jun 2015 - Present*
- Developed business applications using a microservices architecture consisting of front-end clients written in Swift, Java, and React, REST APIs in Java and Go, and a persistence layer using relational databases, decreasing fulfillment times by 40% and reducing shipping errors by 80%.
- Implemented OIDC and SAML SSO for authentication and SCIM for provisioning. Integrated RBAC using Go into company applications.

FindMyVaxSC

VOLUNTEER LEAD PROGRAMMER   *Mar 2021 - Aug 2021*
- Built a ReactJS web-app localized with i18n for accessibility, to enable eligible people, especially in under-served communities, to find access to a COVID-19 vaccine in the SF Bay Area by pooling data from healthcare providers, pharmacies, city-run programs, and state sites.
- Integrated with various websites via APIs and scraped appointment data with Selenium when APIs were not available. Implemented a Flask RESTful API with a PostgreSQL database to persist aggregated data. Deployed with Heroku and Google Cloud.

Skills

Languages	Java, C/C++, React, Go, Swift, Python	**Deployment Env**	AWS, Docker
Frameworks	REST, ReactJS, Kubernetes, GraphQL, React Native, Gatsby, Jersey, JAX-RS, Hibernate	**Methodologies**	Agile, Scrum, Test Driven Development
		CI/CD	GitHub Actions, CircleCI
Databases	MySQL, PostgreSQL, MongoDB	**Others**	AWS(EC2, ELB, EB, S3, RDS, Lambda), GCP,
Testing	Cypress, JUnit, Percy, Detox, Selenium		TypeScript, Git, npm, Maven