

JACOB FRENCH

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PROFESSIONAL SUMMARY

Full-stack software engineer with over a decade of experience delivering scalable solutions with React, Spring Boot, and AWS. Demonstrated impact in senior roles at Intuit and Northwestern Mutual. Seeking opportunities with mission-driven teams that prioritize innovation, collaboration, and meaningful outcomes.

EDUCATION

California State University, Bakersfield

Bachelor's, Computer Science

PROFESSIONAL EXPERIENCE

Prime Therapeutics

Software Engineer V (Contractor)

Eagan, MN, USA

August 2025 - Present

- Designed and built a dynamic file processing API for ingesting and transforming large-scale medical datasets.
- Provisioned and maintained Google Cloud Platform infrastructure to support production-grade applications.
- Designed and implemented end-to-end Medicare and Medicaid transition letter delivery processes using Spring Boot
- Built an optimized Spring Boot data processing service that reads medical records from BigQuery and produces output files. Reduced execution time from 10 minutes to under 20 seconds from an older process.

Intuit

San Diego, CA, USA

Sr. Full Stack Engineer (Contractor)

August 2024 - July 2025

- Built front-end solutions using TypeScript and React for high-traffic workflows on the TurboTax platform.
- Used Redux and Redux Toolkit to manage global state data.
- Modernized legacy codebases and introduced CI/CD pipelines with GitHub Actions, improving reliability.
- Reduced user churn by analyzing customer feedback and implementing targeted UI/UX improvements.
- Implemented continuous integration workflows using Git and GitHub Actions.
- Developed robust test suites with Jest, Cypress, and Playwright to ensure production stability.
- Participated in bi-weekly sprints within an Agile framework.

Northwestern Mutual

Milwaukee, WI, USA

Software Engineer (Contractor)

June 2022 - January 2024

- Established efficient communication pathways between frontend and backend systems by implementing RESTful APIs using Java Spring Boot, guaranteeing secure and seamless data transmission critical to maintaining system integrity.
- Enhanced dynamic frontend components utilizing Node.js, React.js, Redux, and Redux Toolkit.
- experiences and interface responsiveness.
- Assisted with web application deployments to production environments.
- Implemented and managed a continuous integration/continuous delivery pipeline using GitLab, automating code testing, building, and deployment processes to improve software delivery speed and reliability.
- Employed AWS services including S3, CloudFront, EC2, Lambda, and API Gateway to enhance operational efficiency and boost overall system performance.

Stria LLC

Bakersfield, CA, USA

Software Engineer

May 2021 - June 2022

- Led the development and oversight of full-stack web applications utilizing React, Node.js and Java Spring Boot RESTful APIs, ensuring optimal performance and seamless user interaction.
- Managed the development and upkeep of React and Angular front-end applications.
- Implemented strategic optimizations in codebase and database queries, resulting in a 30% boost in response times and scalability improvements.
- Utilized AWS services such as S3, CloudFront, EC2, Lambda, and API Gateway to optimize operations and improve overall system performance.
- Engineered a comprehensive web application for Covid-19 vaccination data collection for Kern High School District, generating \$30k in revenue by September 2021.

Concept Overdrive Inc.

Software Engineer

North Hollywood, Los Angeles, CA, USA

August 2019 - August 2020

- Contributed to the design and execution of front-end mobile applications using React Native, adopted by the FIFA Organization for deployment during the prestigious World Cup 2021.
- Integrated frontend components with backend services seamlessly using RESTful APIs in conjunction with Java and Spring Boot, facilitating smooth data flow and ensuring optimal application functionality.
- Implemented robust authentication and authorization mechanisms employing Java Spring Security, safeguarding data integrity and user privacy.
- Applied advanced face tracking and networking applications for prominent Hollywood film productions including Avatar 2, The Mandalorian, and The Matrix 4: Resurrections, showcasing technical proficiency and innovation.
- Implemented advanced face tracking and networking technologies for major Hollywood productions such as Avatar 2, The Mandalorian, and The Matrix 4: Resurrections, demonstrating strong technical expertise and innovative problem-solving.

Numeracy

Software Engineer

San Francisco, CA, USA

July 2016 - August 2019

- Led the development and upkeep of full-stack web applications utilizing Node.js, React.js and Java Spring Boot RESTful APIs, prioritizing high performance and responsiveness.
- Engaged in collaborative efforts with cross-functional teams to conceptualize and implement user-friendly interfaces and backend functionalities, fostering seamless integration and optimal user experiences.
- Leveraged RESTful APIs to seamlessly integrate frontend components with backend services, guaranteeing smooth data flow and robust application functionality.

PROJECTS & OUTSIDE EXPERIENCE

Acreware.com

Software Engineer

Bakersfield, CA, USA

May 2021 - June 2022

- Authored acreware.com, a web application used for managing irrigation for major factory farming. Built using React.js on the front-end, and Java Spring Boot with AWS and PostgreSQL DB on the back-end.

Body Sculpture

Software Engineer (Robotics)

Los Angeles, CA, USA

August 2019 - August 2020

- I had the incredible opportunity to work as a software engineer on an innovative project called "Body Sculpture." This project was focused on utilizing the Concept Overdrive motion control system for a robotic sculpture, designed by artist Jordan Wolfson, to seamlessly blend art and technology
- As of 2023, the sculpture was put on display at the National Museum of Art in Canberra, Australia.
- [Link to project](#)

Gor Karesh

Software Engineer (Robotics)

Los Angeles, CA, USA

August 2019 - August 2020

- I had the amazing opportunity to work as a software engineer on a fascinating project for Disney's "The Mandalorian." My role involved developing, and modifying the Overdrive Motion Control system for an animatronic character named Gor Karesh, a cameo character voiced and controlled by John Leguizamo.
- [Link to project](#)

SKILLS

Skills: Java, Python, Git, React.js, React Native, TypeScript, JavaScript, Spring, AWS, Agile, Communications, Postgres, SQL, NoSQL, MongoDB, Micro services, Jenkins, Cypress, Playwright, PostgreSQL