CHANDLER FORREST
Full Stack Software Engineer

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SUMMARY

Full stack software engineer with 5+ years of experience creating high throughput/low latency APIs, scalable data pipelines, automated testing frameworks, user-driven websites, and easy-to-use mobile applications.

TECHNICAL SKILLS

Languages	Python, TypeScript, JavaScript, Java, C++, C
Web Development	Next.js, React, HTML, CSS, Node.js, Flask, Tailwind, MUI, Express, Auth0
Databases	MySQL, PostgreSQL, Cassandra, ScyllaDB, MongoDB, Redis, Elasticsearch
Infrastructure	AWS, GCP, Docker, NGINX, Jenkins, Kafka, K8s, Terraform, Cloudflare, Vercel
Tools + Programs	Git, Bash, Unix, VSCode, IntelliJ, Postman, Photoshop, Illustrator, Resolve

EXPERIENCE

Software Engineer II
November 2024 – Current
RADAR
Remote / San Diego, CA

- Built a real-time ingestion pipeline for all manufacturing test data using Python, Kafka, and PostgreSQL.
- Developed a web app in Next.js and Flask to track a sensor's history, view test results, and streamline contract manufacturer shipments — saving RADAR's hardware and operations teams dozens of hours each week.

Software Engineer III
April 2019 – April 2022
Proofpoint Inc.
Sunnyvale, CA

- Created an alerting system that lets analysts directly notify customers of extremely high-risk emails missed within the detection pipeline. Within 3 months of launching, it helped catch $260 million in confirmed preventable losses. The system was a feature within our React + Node.js email search engine web app.
- Implemented a new safelist data source and APIs for Proofpoint's high-volume email rating and scoring Java gateway which processes 1.5 billion emails daily.
- Maintained and improved internal email search engine web app (React, Node.js, Elasticsearch) by optimizing query performance, eliminating hangups, adding robust logging and Grafana monitoring, abstracting service configurations, and implementing user-requested features, all while getting FedRAMP certification.
- Led the database selection for a machine learning feature store after thorough research and benchmarking.
- Created migration ETL jobs in Python to bootstrap data into the ML feature store backed by ScyllaDB.
- Ensured new and existing services complied with internal security guidelines as team security lead.

Application Development Intern
June 2017 – December 2017
Liaison Technologies
Santa Barbara, CA

- Fixed bugs and fulfilled user-requested features for the Java backend of one of Liaison's flagship products.
- Wrote end-to-end API tests in JavaScript and integrated them into a build automation pipeline using Jenkins.

PROJECTS

Pokémon GO Copy - https://www.pokemongocopy.com/
January 2024 - March 2024

- Designed and programmed a mobile-first web application that helps Pokémon GO players nickname their Pokémon in Next.js, JavaScript, React, Python, Flask, HTML, and CSS. The app has hundreds of monthly users.

GoGaucho - https://gogaucho.app/
May 2018 - January 2019

- Oversaw a team of 5 developers to convert multiple Flask apps into one cohesive Express.js server.
- Formalized the team into an on-campus group, grew the team size from 6 to 18 members, and increased the user count from a few hundred to 3,500 daily users, which was 73% of UCSB's freshman student population.

EDUCATION

B.S. Computer Science
September 2014 - April 2019
University of California, Santa Barbara
Santa Barbara, CA