

CHANDLER FORREST

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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.

SKILLS

Languages – Python, JavaScript, HTML, CSS, Java, C++, C
Web Dev – Next.js, React, Tailwind, Node.js, Express, Flask
Databases – PostgreSQL, Cassandra, MongoDB, Elasticsearch

Infrastructure – AWS, Vercel, Docker, NGINX, Jenkins, Puppet
Tools – Git, Bash, Unix

EXPERIENCE

Software Engineer III – Proofpoint Inc.

April 2019 – April 2022

- Created an alerting system in Node.js that allows analysts to 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.
- 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.
- Fixed major performance issues, added more robust logging/monitoring, abstracted service configuration, implemented user-requested features, and got FedRAMP certification for an internal use email search engine and feedback Node.js web app. The search engine was backed by Elasticsearch.
- Selected database for new machine learning service feature store after research and benchmarking.
- Created migration ETL jobs in Python to bootstrap data into the machine learning service feature store.
- Ensured new and existing services complied with internal security guidelines as team security lead.

Developer – Unipay

October 2018 – March 2019

- Created a student finance web/mobile application that integrated with Workday for user accounts.
- Built an item categorizer utilizing GloVe and Django. API was hosted on AWS using Elastic Beanstalk.
- Architected Unipay's backend user data API using Express.js and MongoDB.

Application Development Intern – Liaison Technologies (now OpenText)

June 2017 – December 2017

- Wrote an extensive API test suite and integrated it within the nightly build job for one of Liaison's flagship products.

LEADERSHIP

Back-End Project Manager – GoGaucho (UCSB's Mobile App)

May 2017 – March 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 to 3,500 users per day - which was 73% of the freshman student population.

Sponsorships Team Leader – SB Hacks (UCSB's Hackathon)

March 2018 – January 2019

- Managed a team of 7 organizers to raise a \$55,000 budget for the event through company sponsors.
- Consolidated sponsorship team reference materials into an easy-to-read VuePress website.
- Efforts put into SB Hacks V resulted in 20% more project submissions compared to SB Hacks IV.

EDUCATION

B.S. Computer Science April 2019
University of California, Santa Barbara (UCSB)