

# Christopher Salam

SR SOFTWARE ENGINEER - PLATFORM

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## SUMMARY

Experienced platform engineer with 12+ years designing, developing, & testing enterprise-class web applications.

Proven technical leader with expertise in backend technologies, database design, & scaling large web applications.

Strong track record of building consensus across teams, mentoring engineers, & driving complex projects in SaaS environments.

## SKILLS

- **Backend & Infrastructure:** Ruby, Python, Node.js, Scala, Java, PHP, PostgreSQL, MongoDB, Redis, REST APIs, GraphQL, Architecture
- **Cloud & DevOps:** Git, AWS (Route53, ELB, S3, EC2), Azure, GCP, CI/CD, Bitbucket, Scalability, Maintainability, Security Awareness
- **Frontend & Full-Stack:** React, Redux, TypeScript (TS), JavaScript, Mobile, Express, Mocha, Jest, Responsive Design, Accessibility
- **Leadership:** Agile (Scrum/Kanban), team leadership, Mentoring, Strategic planning, Code Standards, Best Practices, Communication

## PROFESSIONAL EXPERIENCE

**Shepherd Insurance     Software Engineer - FullStack**

**Aug 2025 -**

**State Affairs**

**Feb-Jul 2025**

**Sr. Software Engineer Team Lead (Legal Hearings) - Data Platform, FullStack, AI**

- Maintained & piloted python data platform for gov web crawling apps: Crawl4AI, ModAL, BSoup. Reduced downtime by 30%
- Maintained frontend TS/NodeJS/NextJS/GraphQL/React app for consumer/admin: addressing pipeline backfill with direct entry
- Implemented site reliability & CI/CD changes: load balancing, optimization & scaling: AWS, Cloudflare, Dokku, made prod mirror site

**Byte**

**Mar 2023 - Jan 2025**

**Sr. Software Engineer Team Lead (Dentistry) - Platform, DevOps, Infrastructure, Backend**

- Led team 3 engineers driving backend, infra, & cloud platform features: Azure, TS/NodeJS, GraphQL, NextJS, Integrations
- Migrated monolith auth & payment to serverless for scalability, deprecation of legacy system, presigned file uploads & spoofing
- Developed multistep queued file transfer processes for storage migration reducing storage costs by 99.6% (Salesforce → Azure)

**Twitter**

**May 2020 - Nov 2022**

**Software Engineer II (Social Media, Advertising) - Platform, FullStack, ML**

- Migrated VPN auth and related features for React / NodeJS / GraphQL / Java / Scala apps in ads ecosystem, enabling 14 websites
- Optimized machine learning ETL pipeline, enhancing performance & reducing cloud costs using spot instances by 20%

**CrossInstall** [Acquired by Twitter]

**Sr. Software Engineer (Advertising) - Platform, Data, DevOps, Infrastructure**

**Jan 2019 - May 2020**

**Software Engineer - Product (Advertising) [Promoted] - Fullstack**

**June 2017 - Dec 2018**

- Developed tools & workflows solving ad versioning & builds for ads customers reducing build times from 1 day to 15 minutes
- Managed AWS infrastructure (Route53, ELB, S3, EC2) for ads, sites for B2C & B2B customers, providing 100% availability

**Ziploop     Software Engineer (Retail Loyalty) - Product, Integrations, SDK**

**Jan 2016 - Feb 2017**

**RCMDigesters (Chemical Engineer, Sulfur Abatement)**

**Jan 2013 - Feb 2015**

**State of Cal Dpt. Conservation (Petroleum Engineer, Compliance)**

**Jan 2011 - Feb 2013**

## EDUCATION & CERTIFICATIONS

**Master of Science, Agricultural Engineering**  
University of California, Davis

**Bachelor of Science, Environmental Engineering**  
University of California, Riverside

**Adv. JavaScript Software Engineering Immersive**  
Telegraph Academy

**Professional Engineer License (P.E.)**  
California, Chemical Engineering

## VOLUNTEERING

**Co-Chair, Board Member, Secretary**

Spokeland 2013 - Present

- Strategic planning & operations oversight for Oakland bicycle education 501c3 organization
- Led fundraising initiatives, financial management & community relations
- Managed hiring processes & fostered collaborative organizational culture

## HOBBIES

Teleplay writing, gardening, Magic: The Gathering