Derrek Bertrand

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Profile

- 12+ years of professional software engineering experience
- 8 years of remote work
- 7 years of experience interfacing with stakeholders
- 7 years of engineering management and mentorship experience
- Competent technical writer and communicator with teaching experience

Professional Experience

NetYield – Remote

Lead Engineer   **Nov 2021 - May 2023**

Worked on accounting and inventory management software with hundreds of millions of dollars in transactions and EDI connections to major retailers. Managed team of 6 and external contractors.

- Planned and coordinated transition to AWS using Terraform and CircleCI
- Wrote documentation and new procedures for multiple departments
- Introduced new development best practices, eliminating our hard error backlog and increasing deployment frequency to at least once per day (from less than 1/week)
- **Tech:** Ruby on Rails, Postgres, Elasticsearch, Redis, Docker, Terraform

ID.me – Remote

Senior Software Engineer   **Apr 2021 - Nov 2021**

Worked on a set of applications that review documents and perform video calls to verify end user identities. Responsible for complete rebuild of internal support application.

- Introduced new processes to a company unfamiliar with remote work
- Designed and developed member support application used by over 1,000 CSRs/CSMs
- Maintained user-facing application that serves over 55 million end users on behalf of 27 state and federal agencies and 400 commercial organizations
- **Tech:** Ruby on Rails, Postgres

Blackbird Logistics – Reno, NV (Remote)

Back-end Lead   **Feb 2020 - Apr 2021**

Responsible for marketing, user engagement, and logistics verticals, cross training, and architecture. Also worked on e-commerce applications.

- Ran an engineering book club to provide continued education to the team
- Wrote compatibility and SRE tools for PHP and Sidekiq queues that could run millions of jobs per hour across several services
- Expanded microservices that send/receive over 500,000 / hour in SMS and MMS
- Led and mentored team of around 12
- **Tech:** PHP, Ruby on Rails, Go, MySQL, Postgres, Redis, Elasticsearch, S3, TypeScript, Angular, NodeJs, Docker

Senior Software Engineer   **Mar 2019 - Feb 2020**

Worked on marketing, logistics, POS, and e-commerce APIs.
- Ran Dungeons & Dragons to improve team communication
- Cross-trained team members on legacy PHP architecture while working in Ruby on Rails
- Streamlined docker builds and test suites, cutting CI/CD to 20 minutes (previously over an hour)
- Responsible for logistics and supply chain APIs that handled over $360M / year in assets
- **Tech:** PHP, Ruby on Rails, MySQL, Postgres, Redis, S3, NodeJs, Docker

SettlementOne – Indianapolis, IN

Senior Software Engineer   **Apr 2018 - Feb 2019**

Responsible for communication microservice and shared architecture. Worked on a massive legacy PHP application.
- Wrote private packages and compatibility layers allowing legacy to use Laravel's ORM and communicate with Laravel's queue
- Added multiple layers of redundancy and fail-over for microservice with a 99.99%+ SLA
- **Tech:** PHP, MySQL, Redis, S3

DI/DLSI/Approved Mortgage – Remote

Tech Lead   **Nov 2016 - Apr 2018**

Worked on several 1st and 2nd party applications and dozens of integrations. Responsible for managing a team of 5, refinement, and managing competing interests.
- Requirement gathering and team management for several web applications
- Developed internal PHP and JS libraries conforming to RFC and other formal specifications
- Integrated dozens of applications and services using HTTP and raw TCP APIs
- **Tech:** PHP, JavaScript, Vue.js, SIP, MySQL, NodeJs

Software Engineer (Contract)   **Mar 2013 - Nov 2016**

Worked as a subcontractor on a myriad of applications. Responsible for managing a team of 5, refinement, estimates, and timelines.
- Performed consultation, sales, dev-ops, and development
- **Tech:** PHP, JavaScript, Vue.js, MySQL, C#, VisualBasic, Python

SRP – Kokomo, IN

Software Developer   **Aug 2010 - Mar 2013**

Wrote everything from e-commerce sites to billing, project management, and software integrations. Responsible for own requirements, estimates, and timelines.
- Re-wrote in house billing, project management, and custom CMS
- **Tech:** PHP, JavaScript, MySQL

Education

BS Informatics – Indiana University   2015
AAS Computer Information Systems – Ivy Tech CC   2010