Chris Dosé

Senior Software Engineer

Software Engineer with over 12 years of experience developing back-end APIs and
software systems using Elixir & Phoenix, Ruby on Rails, and Node.js.

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Work Experience

2022 - Present

Staff Software Engineer @ Blitz *(Remote - Seattle, WA)*
Elixir & Phoenix

Projects & Responsibilities

As a member of the Pro team working on Blitz Pro subscriptions, maintained the Stripe payments
integration and implemented a new payment integration for PayPal.

2021 - 2022

SDE III @ PagerDuty *(Remote - Seattle, WA)*
Elixir & Phoenix | *Ruby on Rails* | *Kafka* | *Docker*

Projects & Responsibilities

As a member of the Response Experience team, helped maintain and extend various Elixir services relating
to incident response.

- Identified, planned and executed on software upgrades needed to run Elixir services on Apple M1
  hardware.
- Worked with the team to fix bugs in escalation policies.
- Collaborated with teammates on a new feature that allows cancellation of responder requests on
  incidents.

2014 - 2021

Senior Software Engineer @ Peek *(San Francisco, CA - Seattle, WA)*
Elixir & Phoenix | *Ruby on Rails* | *Node.js* | *MongoDB* | *PostgreSQL* | *RabbitMQ* | *Docker & Docker Compose*

Projects & Responsibilities

Long term exploration of various roles and technologies that help solve a diverse set of problems for the
tours and activities space.

Past projects include:

- Solving real-time tour and rentals availability based on complex resource constraint configurations.
- Building a robust e-commerce platform with credit card processing, split payments, and complex order
  management features.
- Providing a docker-compose based local development environment that all engineers in the company use.
- Spearheading the transition from legacy Ruby services to Elixir & Phoenix.
- Initiating, maintaining, and significantly contributing to Peek's open source projects at a new GitHub
  organization "peek-travel".

Open Source

- cocktail - Elixir date recurrence library based on iCalendar events
- ecto_diff - Generates a data structure describing the difference between two ecto structs
- excal - NIF bindings to libical providing iCalendar RRULE expansion
- lurch - A simple Ruby JSON API client

2012 – 2014   **Web Developer** @ Immense Networks *(Baton Rouge, LA)*

Node.js | *MongoDB* | *GitLab* | *Socket.io* | *CoffeeScript* | *Knockout.js* | *Ruby on Rails* | *MySQL* | *Magento* | *WordPress*

Projects & Responsibilities

- Created eCommerce websites for clients using the Magento platform.
- Developed several web applications using Ruby on Rails for clients.
- Established a new workflow and platform for developing web applications using a complete Node.JS + MongoDB stack.
- Used and maintained a self hosted GitLab instance to organize all code, track issues and bugs, and perform code reviews.

Open Source

- immybox - An autocomplete-like jQuery plugin

2011 – 2012   **IT Application Programmer II** @ Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP) *(Baton Rouge, LA)*

Google Earth Enterprise | *Google Fusion Tables* | *KML* | *PHP* | *JavaScript* | *MySQL* | *PhoneGap*

Projects & Responsibilities

- Rebuilt and maintained Virtual Louisiana, GOHSEP's private Google Earth Enterprise globe.
- Created an internal use web application for publishing new content onto Virtual Louisiana.
- Replaced the GOHSEP website with updated architecture, utilizing more efficient, modern programming techniques.
- Developed iPad web applications as well as other small software projects for the agency.

Open Source

- sungem - Fast, lightweight web application framework in PHP

2008 – 2011   **Senior Web Applications Developer** @ SCI Research *(Baton Rouge, LA)*

PHP | *JavaScript* | *MySQL* | *Node.js* | *JQuery*

Projects & Responsibilities

- Recruited and managed a small, motivated team of programmers and designers in developing a web application devoted to building and administering online studies and web surveys. (Features of the software include respondent database management, mass mailing, interactive reporting, and an engaging visual aesthetic.)
- Administered the company's many Linux, UNIX, and Windows based servers including: Apache web servers, DNS servers, MySQL database servers, and an Exchange 2007 mail server.

Education

2004 - 2008   **Computer Science** @ Louisiana State University *(Baton Rouge, LA)*

Personal Open Source & Talks

- Ambry - A self-hosted audiobook streaming server, with an accompanying Android app.
- NervesKeyboard - A project created with several colleagues to build an open source / open hardware mechanical keyboard running Elixir using Nerves.
- Elixir MIX Podcast featuring me as guest speaker where I discuss nerves-keyboard, my other open source projects, and my experiences using Elixir at Peek.
- ElixirConf 2019 Lightning Talk in which I discuss EctoDiff and why I built it.

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