

# NEIL C. NORTHROP

[LinkedIn Profile](#)

Beaverton, OR

Phone: 503-327-1970

nnorthrop@gmail.com

---

## Software Engineer

### Builds Ruby and Ruby on Rails Applications with High Availability and Performance

Accomplished Software Engineer with a proven track record of successful delivery of applications while achieving customer satisfaction. Over ten years of systems analysis, design and development experience in Ruby and Ruby on Rails, building web applications by working directly with stakeholders to capture sound business requirements. Contributes to improved Agile development team velocity through meticulous planning and useful process improvement.

---

#### AREAS OF EXPERTISE

- |                               |                                   |                           |
|-------------------------------|-----------------------------------|---------------------------|
| ▪ Software Engineering        | ▪ Software Lifecycle (SDLC)       | ▪ Agile Methodology       |
| ▪ Ruby Open Source Frameworks | ▪ Enterprise App Development      | ▪ Business Analysis       |
| ▪ Strategic Planning/Analysis | ▪ Support and Problem Resolution  | ▪ Testing                 |
| ▪ Functional Specifications   | ▪ Systems Architecture and Design | ▪ Performance Improvement |
| ▪ Open Source Frameworks      | ▪ Stakeholder Engagement          | ▪ Web Services (REST)     |
|                               | ▪ Application Modernization       |                           |
- 

---

#### PROFESSIONAL EXPERIENCE

##### **BOLD PENGUIN, BEAVERTON, OR SOFTWARE ENGINEER**

**09/2022 – PRESENT**

Work with a cross-functional product team to build & launch products that remove the friction from commercial insurance. Our users are commercial insurance agents and insurance carriers who use our product every day to efficiently provide commercial insurance for small business owners.

- Build and maintain powerful APIs that are used by agents to quote and bind policies for small business owners.
- Passionate and delivery-focused on building resilient, high-quality features for the Partner-Engine application that drives the core of our business.
- Write clean, well-tested code and automated unit tests using Ruby on Rails.
- Integrate with third party APIs to generate real-time quotes through the robust Carrier-Engine application for multiple carriers to increase our revenue potential.
- Integrations with new carriers in key geographical areas to bring our products to more small business owners in new markets.
- Worked on NAICS class code override feature that allows agents to manually change assigned class codes per-carrier, per line of business greatly reducing the number of denied claims due to incorrect class codes assigned during the application process.

##### **FIDELITY LIFE ASSOCIATION, BEAVERTON, OR SOFTWARE ENGINEER II (11/2015-09/2022)**

**11/2013 – 09/2022**

Member of the core development team working to reconstruct the legacy New Business system (NBX) from the ground up. Collaborate with Business Analysts when they need assistance in user story development. Research APIs or processes of different company systems for future integration points. Capitalize on domain expertise in 3<sup>rd</sup> party products for insurance applications to better understand required features.

- Accelerates the feature development process for the NBX application currently in development which will be the system of record for policy information for the company, by reusing the code already written, tested, and used in the FLEX legacy production system.
- Employs the Padrino Ruby Web Framework to build out multiple internal web applications for business end-users.
- Develops an internal event-driven system that creates business events from incoming sources, enabling real-time policy updates to business users.
- Facilitates software implementation and reduces the impact of future changes by implementing an Agile best development practice that every module, class, or function should have responsibility for a single part of the functionality provided by the software.
- Demonstrates proven expertise in keeping the development process within the scope of the user story.
- Enables access to web services, utilizing digitally signed authorization and authentication with JSON Web Token (JWT).
- Empower insurance agents to be updated in real-time on their policies, feeding internal XML files to downstream sources.
- Extends essential support to another development team to build and deploy an important “save and return” feature for consumers.
- Researches and develops features that integrate FLEX with a legacy system, collaborating with the team to discover and remediate roadblocks to a successful integration that is used today.
- Improves productivity by designing software that transitions from the complexity of batch processing to making each data request the moment the information is needed.
- Spearheads project management and development on the I-Score project to more accurately determine when the underwriting team can save the company money by not requiring medical testing for policy approval.

#### **SUPPORT ENGINEER/ DEVELOPER APPRENTICESHIP (11/2013-11/2015)**

Supported multiple application products as Level 2 Support, using Jira Service Desk and Confluence to help cases move from identification to remediation. Introduced to Rails 1.2.1 and 2.3.2 applications and gained further experience with VI and VIM while working on remote servers. Promoted from the Software Apprenticeship program to become a Software Engineer.

#### **TECHNICAL SKILL SUMMARY:**

Ruby on Rails, Ruby, Sinatra/Padrino, Mechanize/Nokogiri, Postgresql, SQL, Ruby AWS-SDK, Rspec/MiniTest, Mocha, Capybara, Git, Bash, Bootstrap/HTML/CSS, RabbitMQ