

# Barry Niehuser

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## SUMMARY

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Experienced full-stack developer unicorn. I have a love for database administration, inter-system communications, service design, and back end infrastructure, and an equal passion for modern front-end application frameworks and user interfaces. I'm comfortable working as a leader, in a team, or on my own. I can adapt to existing structures and practices, learn quickly, communicate ideas well, and am able to design and build new systems as well as come up with solutions to existing and emergent problems.

## PROFESSIONAL EXPERIENCE

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October 2016 – May 2021

### Principal Software Engineer, Autonet Mobile, Inc., Santa Rosa, CA

- Worked in a small team of 2-3 developers designing and building software applications for telematics and auto repair data, including socket based communication with hardware devices, event-driven data pipelines for gps and diagnostic data, data storage and analysis, Salesforce and other 3rd party integrations, internal and public data apis, front end sites, and more using PHP, Perl, Python, Node, and others.
- Administered AWS services and server instances, PostgreSQL, Redis, Elasticsearch, and various other systems.
- Created and maintained multiple REST apis and web applications in PHP and Python.
- Created web and mobile applications to access and manage data using Typescript, Angular, Nativescript, React, and React Native.
- Implemented Salesforce integration with Salesforce REST and Bulk APIs and Salesforce customization via custom layouts, objects, fields, triggers, VisualForce, and Apex code.
- Managed all code in Gitlab, project management and ticketing through Jira.

October 2011 – February 2017

### Independent Contractor, Self-Employed, Santa Rosa, CA

- Full stack software design and development for several clients both direct and as a subcontractor.
- Designed and built web apps, services, and websites using PHP, Python, Perl, Node, and others across a variety of industries.
- Built and customized WordPress sites writing custom plugins for data integration, administration, and interactive display.
- Created single-page web applications and plugins using jQuery, AngularJS, Backbone, and other frameworks.
- Hardware and virtual Linux server administration, MySQL database administration.

October 2011 – February 2017

### IT/Engineering Director, The Distance Learning Company, Santa Rosa, CA

- Software design and development for remote learning applications, specifically for state certified traffic school and driver education courses.
- Built and maintained a complex rules management system for compliance with state and locality based regulation governing course material, availability, and student experience.
- Built and maintained course management systems, both custom and in compliance with SCORM standards.
- General database administration, linux server administration, and website/application development using Perl, MySQL, XML, Javascript and other web-related technologies.
- Managed a small team of 1-3 junior to mid-level in house programmers.

## SKILLS

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Programming Languages: Javascript/Typescript, PHP, Perl, Python, Java, Go, C++

Database/Datastore: PostgreSQL, MySQL, Redis, Elasticsearch, MongoDB

Programming Frameworks: React, Angular, Symfony, Django, Express, Wordpress, Drupal

Vendor APIs: Salesforce, AWS, Stripe, Authorize.net

Hobbies: music, electronics, hiking, etymology, browser-based game development

References available upon request