Johnny Pribyl
Software Engineer

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Bozeman, Montana 📍

EDUCATION

Montana State University
BS, Professional Physics - Spring 2018
GPA: 3.95

WORK EXPERIENCE

15Five Inc
Oct 2019 - Present

A startup seeking to elevate the performance and engagement of employees by promoting communication and vulnerability in the workplace

Frontend Engineer

- Used React hooks to build functional components from design mocks
- Spearheaded initiative to increase frontend test coverage
- Improved product by leading feature addition projects
- Reduced tech debt by refactoring legacy code from jQuery into React
- Ensured code quality by reviewing pull requests daily

Triple Tree LLC
Mar 2019 - Aug 2019

A software firm offering technical consulting and web development

Software Engineer

- Improved security by implementing Oauth2
- Reduce HR strain by automating email communication
- Transformed client designs into React + Redux components
- Optimized UX by building a video recommendation engine

The Business Garage
Feb 2018 - Mar 2019

A software firm specializing in web development

Junior Software Engineer

- Managed backend deployments for a web app with 50K users
- Optimized database queries by caching content
- Ensured scalability by using AWS to perform distributed load tests
- Leveraged FCM to send push notifications and promote user engagement
- Integrated a virtual credit card to satisfy business needs

LIGO Scientific Collaboration
2013, 2016 - 2018

Part of a global investigation of gravity in relativistic astrophysics

Researcher

- Applied for and received grant funding
- Wrote deep neural networks for data classification
- Extracted information from large amounts of noise
- Modeled neutron stars to test Einstein's theory of gravity

SOFTWARE PROJECTS

Open source contributions

- Freqtrade - algorithmic trading software
- pandas - Python data analysis library
- vim-test - Vim plugin to run tests in buffers
- Published an Airtable provider for AdonisJs

Bare metal Kubernetes cluster

- Included Traefik for ingress
- Implemented CNI with Weave Net
- Automated deployments with a webhook listener and cert renewal with Let's Encrypt

Enterprise grade home network

- Improved speed with Squid as a caching proxy
- Reduced latency with a Pi-hole dns cache
- Increased security by tunneling through a VPS running OpenVPN

For more info

🌐 johnpribyl.com
🐙 github.com/jpribyl

OTHER EXPERIENCE

Teaching & Coaching
- 8 years of experience
- Ages from 5 to 50 years
- Math and Physics at a college level

Grand Canyon Rafting
- Successfully led a 3 week, unguided raft trip
- Planned all logistics for 16 people
- Safely rowed a raft down 280 river miles

SKILLS

Proficient - Used daily at present

Arch Linux, Bootstrap, Django, Git, JavaScript, PostgreSQL, Python, React (with hooks!), Redux, Sass, Vim,

Familiar - Used daily in the past

AWS, AdonisJs, Bash, Bokeh, D3, Docker, Express.js, FCM, Hapijs, Heroku, Jupyter, Keras, Kubernetes, MariaDB, Mathematica, Matplotlib, NLTK, Node.js, Numpy, Pandas, Redis, RethinkDB, SKLearn, SQLite, SciPy, Seaborn, Selenium, Tensorflow,