J a s o n   L e o n h a r d

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PROFILE	Stack Overflow	stackoverflow.com/users/1783588/jasonleonhard	**Top 1% in the World**
	Github	github.com/jasonleonhard	

ACADEMICS	**Certified Azure Fundamentals Cloud Practitioner (AZ-900)**	Oct 2021
	LaunchCode Top Performer in Advanced Bootcamp Program **"*Voted most helpful in cohort*"**	Apr - Nov 2017
	Bachelor of Science, Neuroscience Psychology, *Cum Laude, Portland State University*	May 2012

PROFESSIONAL EXPERIENCE

Independent Software Developer   Mar 2020 - Present
- Personal development and recovery/physical therapy for shoulder fracture
- Certified Azure Fundamentals Cloud Practitioner (AZ-900)
- StackOverflow community contribution leader, rated global top 1%
- Deployed full stack apps using Cloud Services (AWS, Azure, GCS, Hasura, Heroku and Netlify), Javascript/TypeScript, React, Node, consuming self-written GraphQL APIs, creating prototypes demonstrating technology use cases
- Coded an app in Vue (React is my dominant front end technology) with operational shopping cart and global search and filter functionality
- Developed projects utilizing AWS CDK and Terraform infrastructure as code to guarantee reproducible results and expedite deployment and tear down using S3 buckets, EC2 instances, Lambda Functions, Amazon API Gateway, AppSync, Route 53, IAM roles, SQL and NoSQL databases including DynamoDB, RDS, and MongoDB
- Expanded knowledge of Rust and Go lang
- Backyard garden cultivation

Software Developer, *Frontend & Mobile Team, Phase2*   Jul 2019 - Mar 2020
- Primary focus: TypeScript/JavaScript/Flux,GraphQL, Jest, Cypress, react-testing-library, the cloud, APIs, Redux, React Hooks and functional components
- Revamp of scheduling product and calendar components on high-traffic primary site for multibillion dollar company
- Produced in vanilla React and with a previously unused library to compare and contrast for client
- Provided regular code review for colleagues and participated in refactoring and testing discussions
- Regularly consulted by coworkers regarding new trends in tech and best practices
- Led group sessions for companywide **Machine Learning & Artificial Intelligence** initiative
- Weekly group sessions included discussions and training for employees on ML and AI subjects, for example TensorFlow tutorials
- Hosted after hours Free Code Camp and Mentorship Saturday events on-site
- Bi-weekly events promoted community engagement, inclusion, and accessibility to those interested in Computer Science and Tech
- With no prior vue.js experience created mock-up app under short deadline, work product accepted as MVP by client for ongoing, iterative use

React Native Software Developer, *503 Collective*   Dec 2018 - Mar 2019
- Built an app for a local startup's client: Under NDA but can specify it was a large live data platform & serving a large existing user base
- Supported and pivoted sudden project shift from Javascript to Typescript with no prior Typescript experience
- Maintained deadlines and work product delivery commitments exceeding expectations
- Personally wrote 70% of the React Native code base: Regularly took on the most Agile story points on my team
- Work products delivered included screens, views, components, carousels, splash screens, maps, countdown clocks, navigation, delegate pattern
- Consumed backend URLs with React Native components, refactored code, trained other members who were less familiar with the tech stack

Senior Clinical Research Coordinator/RA2, *Oregon Health and Science University, Biomedical Engineering*   Mar 2013 - Sept 2016
- Maintain & extend legacy code base & functionalities. Assisted Primary Investigator with software comprehension
- Built, operated, maintained large robotics for human model, LabVIEW, MATLAB, electronics, etc.
- Direct *Human Spatial Orientation* laboratory, subject coordination, IRB compliance, & creation of graphs, charts and figures

Clinical Research Assistant/RA1, *Oregon Health and Science University, Physiology and Pharmacology*   Dec 2012 - Mar 2013
- On short notice was offered to take over for someone leaving while grant still had 4 months funding
- ***Programed robots***: motion sensor IR lasers, rotators, motors, timers, designed behavioral protocol for rodent model
- Furthered **open source project** so that the general public would have a starting point for building their own experiments with IoT and rodents

Clinical Research Assistant/RA2, *Oregon Health and Science University, Neuroradiology*   Sept 2012 - Nov 2012
- MRI data analysis via voxel image-processing routines, custom legacy software extension & maintenance
- Bash/C shell/Linux/Unix, CommonSpot web-development
- **Controlled the worlds most powerful magnet** for imaging brains in clinical research

Laboratory Research Assistant, *Portland State University, Department of Biology, Neurophysiology*   Oct 2011 - Sept 2012
- Assisted graduate students with thesis & independent work, specimen harvests, data, maintenance of experimental design
- Behavioral/neurophysiological/computational techniques, code discussions, circuits, carpentry, plumbing with a focus on computation

Laboratory Research Assistant, *Portland State University, Department of Biology, Genetics/Botany Greenhouse*   Aug 2010 - Oct 2011
- Assisted graduate students with thesis & independent work, specimen harvests, data, maintenance of experimental design

OPEN SOURCE CONTRIBUTORS & VOLUNTEER EXPERIENCE
Front-End Developer *for the Civic Platform, Hack Oregon*   May 2018 - Nov 2018
- Built a community platform for exploring government data in a meaningful visual ways utilizing React.js & DeckGL map overlays

Hacker Lounge Coordinator, *Open Source Bridge*   June 2016
- Code sprints, bug bashes, meet, greet, answer questions, support people plugging in with groups, projects and challenges

Member, Computer Action Team (CAT) *Portland State University, Maseeh College of Engineering & Computer Science*   Apr 2008 - Sept 2010
- Provided Systems Administration/IT support and weekly "Braindumps" from industry leaders in advanced technical topics

COMPUTER SKILLS
* Additional skills unlisted   *Bolded languages are my current interests, ordered by preference (i.e. I have a working familiarity with say Java, though not very interested)

○ Languages/Polyglot	**JavaScript TypeScript Python Bash Zsh Go Rust** RegEx Solidity Haskell Ruby C/C++ CSS/Tailwind Groovy Java **& more**
○ JavaScript Ecosphere	React+Hooks React Native (mobile) Node/NPM xState WebGL ContextAPI Apollo MobX Redux Flow Grunt Yeoman jQuery
○ Databases/Querying	PostgreSQL MySQL SQLite (Relational/SQL) GraphQL Hasura Redis Firebase MongoDB (NoSQL/key-value storage)
○ Testing(Unit & E2E)	Jest Cypress React-Testing-Library Enzyme Capybara Minitest Rspec Mocha Chai (Unit & Integration/End-to-End)
○ Frameworks	Ruby on Rails (RESTful API's) Django Flask Sinatra Rack Express & many more
○ Deployment/Hosting	AWS Azure GCS Google Cloud/Firebase Heroku Linode DigitalOcean DreamHost Github Pages Now Surge & more
○ Containers/VMs	Docker Vagrant VirtualBox VMware Parallels Wine
○ Scientific/Data Visualization	MATLAB LabVIEW Tableau Pandas Matplotlib Seaborn DataCamp StoryBoard
○ Web-scraping/Parsing	Curl Wget Pup Jq Lynx Beautiful Soup Nokogiri Kimono
○ Hardware/Microcontrollers	Arduino Raspberry Pi (Robotics & Servers)
○ Operating Systems	Preference of "Nix" Mac OS X/Unix GNU/Linux Solaris Windows 10/8/7/Vista/2000/XP/98/2000
○ Software Development	Git Agile Scrum TDD Design Patterns Full-Stack Development Application Architecture Functional & OOP
○ Currently Exciting	Google Cloud Services (functions, realtime databases) React Hooks Data Analytics Automation Machine Learning

FELLOWS, MENTORSHIP & GROUPS
AISaturdaysPDX | **ChainReact(Organizer)** | *Chatbots&IntelligentConversationalInterfaces* | *CodeBytes* | *CodeOregon* | *DataCamp* | **FreeCodeCamp(Organizer)** | *FrontEndPDX* | *FullStackPDX* | *GDGPDX* | **GraphQLPDX(Organizer)** | **HackOregon(Organizer)** | **HackUniversity(Organizer)** | *JavaScript&TheInternetOfThings* | *Lynda* | **MentorshipSaturdays(Organizer)** | **OpenSourceBridge(Organizer)** | *PDXCodeGuild's"PythonMondays"* | *PDXWIT* | *PDXNode* | *PDXRails* | *PortlandAIDeveloperGroup* | *PortlandDataScienceGroup* | *PortlandDeepLearning* | *PortlandJavascriptAdmirers* | *PortlandProgrammerNetwork* | *PortlandPythonUserGroup* | *PortlandReactJS* | *PortlandRubyBrigade* | *ProbabilisticProgramming* | *ReactNativePortland* | *TensorflowNW* | *Vue.jsPortland* | *WomenWhoCodePortland*

ACADEMIC ACTIVITIES
Founder, Scholars for Awareness of Neuroscience Education (SANE)   Sep 2011 - Sept 2014
Portland State University (PSU) & Oregon Health and Science University (OHSU)
- Successfully led initiative to create first "Neuroscience Track" at PSU/OHSU & created a multi-disciplinary lecture series
- Developed organization from the ground up, constitution, advising leaders, community partners & successful expansion into OHSU chapter