Jake Tobin

SOFTWARE ENGINEER

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EXPERIENCE

Vista Higher Learning, Senior Software Engineer
04/2020 - Current
- **Ruby on Rails, MariaDB, DynamoDB, PostgreSQL, Redis, AWS**
- Created process to keep all projects up to date with CVE's and strengthen security posture.
- Built a rostering app that helps users quickly onboard their school's students.
- Implemented a new virtual sales system to replace a physical method helping the company adapt to COVID19.

Toast, Software Engineer II
03/2020 - 04/2020 (COVID19 Layoff)
- **Java, Kotlin, Dropwizard, PostgreSQL, DynamoDB, React, Docker, AWS, Flutter**
- Built and launched google my business integration with online ordering team.
- Was hired to lead a small team and build an internal sales app that would be used to help sales reps boost KPI's.

Covalent Networks, Senior Software Engineer
08/2019 - 02/2020
- **Ruby on Rails, SQL, PostgreSQL, Redis, React, Docker, AWS**
- Refactored rails monolith to increase performance and feature development time.
- Strengthened security posture of the company by implementing a secure software lifecycle and risk register.
- Mentored junior team members and helped create a lunch and learn program.
- Implemented new core application feature while also introducing background processes into rails application.

CoverMyMeds, Software Engineer
02/2017 - 07/2019
- **Ruby on Rails, Phoenix (Elixir), PHP, SQL, PostgreSQL, Redis, React, jQuery, Docker, Vagrant, Puppet, Passenger**
- Improved and extended functionality of HIPAA compliant external web portal used by health professionals.
- Designed and implemented secure software development lifecycle within agile software teams.
- Upgraded Ruby on Rails micro-services from Rails 3 to Rails 5, while increasing test coverage.
- Implemented and deployed internal API authentication with JSON JWT's.
- Refactored client-side code that resulted in 95% performance improvement in front end SPA.
- Identified and corrected 2 significant potential security and privacy leaks.

Summit Racing Equipment, Software Developer
01/2016 - 02/2017
- **ASP.NET 4 MVC, Web API, C#, VB, Entity Framework, Telerik ORM, LINQ, SQL Server, jQuery, NPM, IIS, HAProxy**
- Added features and enhancements to high volume e-commerce site while following SOLID software principles.
- Designed and implement internal service-oriented APIs using domain driven design.
- Implemented npm and webpack build pipelines for external facing sites.
- Built enterprise-grade pricing API that feeds pricing data to customers and internal systems.
- Helped harden external sites by utilizing knowledge of OWASP and PCI.

Olsträd Engineering Corporation, Lead Software Engineer
05/2015 - Current (Internship that continued into side projects)
- **Ruby on Rails, jQuery, PostgreSQL, Heroku, GIT, S3, SendGrid, ASP.NET CORE, Xamarin, Azure, ESXi vSphere**
- Designed and built complex combustion system quoting application from scratch using ruby on rails.
- Integrated SQL database into a high-speed conveyor automation system.
- Built automation project within multi-discipline engineering team while working with clients.
- Managed team of three that built Xamarin app that is used in the field by service technicians.

Progressive Casualty Insurance Company, Software Developer
05/2014 - 08/2014 (Summer Internship)
- **ASP.NET 4 MVC, C#, LINQ, HTML, CSS, JavaScript, Ace.js, Agile Software Development, TFS**
- Built internal web app that tested insurance business logic.
- Worked with project managers to create an agile iteration schedule and reports.
- Worked with business managers to develop proof of concept improvements to the "Name Your Price" tool.

EDUCATION

Bachelor of Science in Computer Science with a concentration in Information Security

Kent State University

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Currently Enrolled:
Computer Vision Nanodegree - Udacity
C++ Nanodegree - Udacity

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Publications: A Privacy-aware Platform for Sharing Personal Information on Wearable Devices, EUSPN, Sept. 2016