Erick House

Software Engineer

Personal

Address
18414 104th Ave NE Bothell, WA 98011
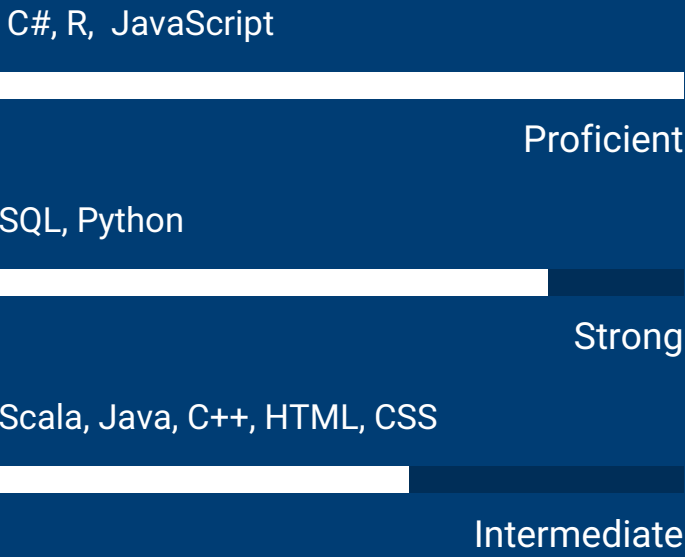
Phone
(503)-779-9094

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erickhouse01@gmail.com
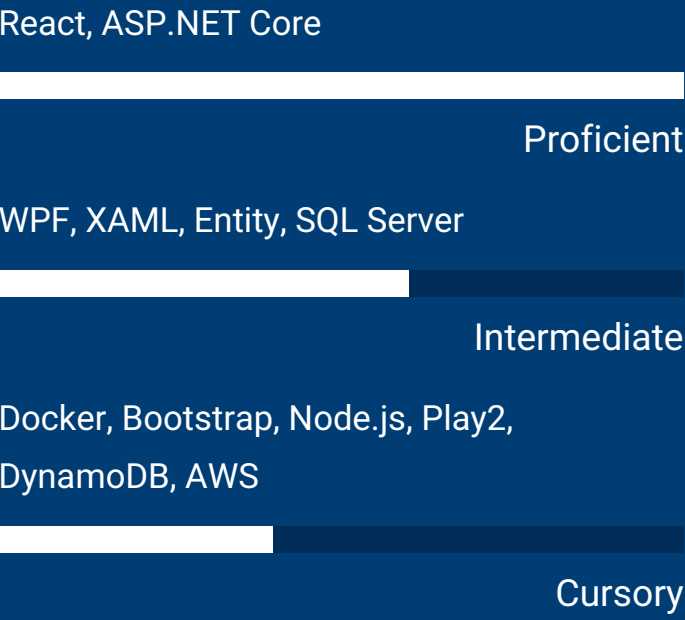
Website
https://erickhouse.github.io/

GitHub
github.com/erickhouse

LinkedIn
https://www.linkedin.com/in/erickhouse

Languages

C#, R, JavaScript

Proficient

SQL, Python

Strong

Scala, Java, C++, HTML, CSS

Intermediate

Frameworks / Tools

React, ASP.NET Core

Proficient

WPF, XAML, Entity, SQL Server

Intermediate

Docker, Bootstrap, Node.js, Play2, DynamoDB, AWS

Cursory

Skills

Development, Debugging, OO Design, Functional Programming, Testing, UML, System Architecture, Database design, Teaching, Agile Development, Git, Microservices, Data pipelines, Statistics, Data Science, Cloud Infrastructure

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Solution-driven individual with 3 years industry experience and a true passion for learning

Experience

2017/02 - present

Software Development Engineer [.NET Core, React, Java, SQL]

Stryker - *Medical Web Applications*

- Implemented a business critical, front end feature, using React and Redux
- Re-engineered legacy subsystems using a Microservices based architecture hosted in the AWS cloud
- Successfully integrated web services and API gateways for a newly acquired company
- Navigated the communication and requirements gathering between 2 remote teams.

2015/05 - 2017/02

Embedded Software Engineer [C++, UWP, .NET, WPF]

Sonosite Fujifilm - *Ultrasound Devices*

- Translated the design team's ideas into proper software abstraction
- Redesigned the majority of an existing subsystem, resulting in a 50% code reduction
- Quickly exceeded the the expectations of a Software Developer 1 and was promoted in less than 7 months
- Proposed an original solution to a long standing business problem and was personally tasked with the prototype implementation

2014/12 - 2015/03

Contract Software Developer [Haxe, Python]

Cricket Moon Media - *Web Games*

- Developed browser games for high profile customers
- Initiated the creation of software for automating an error prone, manual task, that was wasting up the 3 hours every project milestone

Projects

2016/04 - present

Stock Market Modeling [R]

- Working on a small team, implemented several algorithms from scratch, in order to find patterns in historical stock data
- Optimized a query from 30 seconds down to 10 milliseconds over a 32GB dataset
- Built and maintained proprietary R packages in order for the team to iterate on strategies as fast as possible
- Advanced user of the dplyr package and the tidyverse paradigm

2017/03 - 2017/07

Personal Website [React]

- With the goal to showcase projects, initiative, and knowledge, built a personal website from scratch, using some of the latest web technologies

Open Source

2018/01

Polly [.NET Foundation] - Contributed to a library for handling transient errors (retry, timeout, etc.) as part of the 5.7.1 release

Certificates

2017/05

Functional Programming Principles [Scala] - Re-implemented several classic algorithms in a purely functional way

2017/09

Functional Program Design [Scala] - Learned how to apply functional programming to practical applications

Education

2015

University of Washington, Bothell

Computer Science (BS)