

# Getting Started with Elixir

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## WHY ELIXIR?



**Nathan Taylor**

SOFTWARE ENGINEER

@taylonr [taylonr.com](http://taylonr.com)





Wanted to Parallelize an Application?  
Needed to Perform Distributed Computing?  
Had a Process Crash?



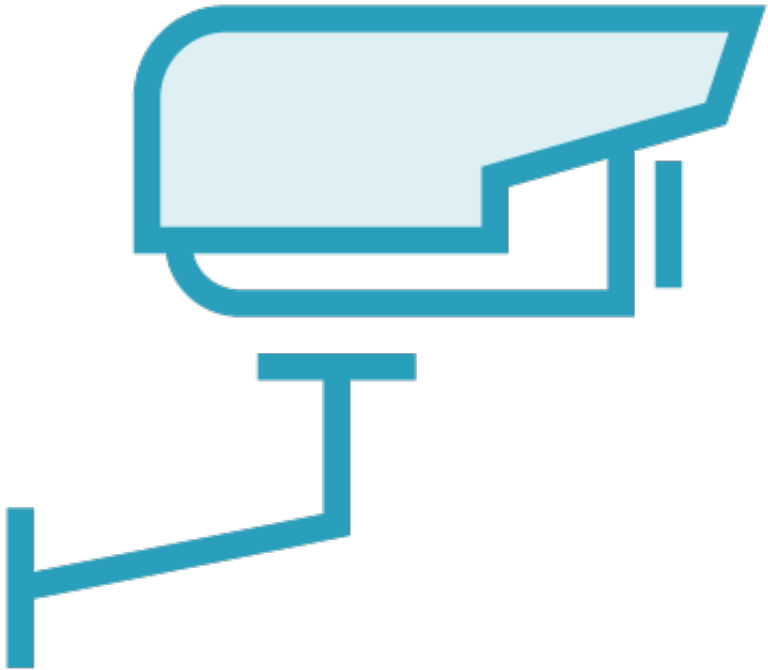


## Built on Erlang

- Powering Telecom for Decades

**Multi-Core as a Distributed System**

**High Availability**



Monitor & Restart





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## Web Development Internet of Things



# What Is Elixir?

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# Elixir

A dynamic, functional language designed for building scalable and maintainable applications.

<http://elixir-lang.org>



Elixir

**Built on Top of Erlang**

**Syntactic Influence from Ruby**





# A Few Features

UTF Strings

Pattern Matching

Concurrency

Metaprogramming



Elixir is a programming language that removes the mystery of functional programming, and brings scalability and concurrency to the masses, and it does so in a way that is enjoyable to write.



# Installing Elixir

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OS X

```
brew update
```

```
brew install elixir
```



# Windows

```
cinst elixir
```



# Linux

```
wget https://packages.erlang-solutions.com/erlang-solutions\_1.0\_all.deb && sudo dpkg -i erlang-solutions_1.0_all.deb
```

```
sudo apt-get update
```

```
sudo apt-get install esl-erlang
```

```
sudo apt-get install elixir
```



# Where Are We Going?

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# Topics We'll Cover

**Elixir Basics**

**Modules & Functions**

**Control Flow**

**Ecosystem**





# Topics We'll Cover

Creating an  
Application

Testing the  
Application

Where to Go Next

