

# Todd Greenwood-Geer

## EXPERIENCE

### **Backend Architect/Lead, RedZone.com, Remote— 2022 - present**

Designing and implementing a green-field backend stack. (Python3, AWS, Pulumi, Terraform, Swagger, OpenAPI, Postgres, GIS)

### **Founder, Enviro Software Solutions LLC, Seattle, WA— 2019-2022**

Designed and implemented an open source (GPL3) data pipeline and analytics platform for the Energy Sector. (Erlang, Python, Sqlite, Jupyter Notebooks, Pandas)

<http://envirosoftwaresolutions.com/>

### **Principal Software Consultant, RoosterPark, Seattle, WA— 2017-2019**

- **Client : Remitly.com**
  - Designed and implemented a *micro-service* generator to facilitate rapid development of business logic components and related infrastructure. (Go, Java, Kotlin, swagger-codgen, Prometheus, OAS, OpenTracing, BugSnag)
- **Client : ISP/Turner Broadcasting**
  - Implemented a user authentication, authorization and account management system for a Video on Demand Service. (Go, JWT, MongoDB)

### **Principal Software Engineer, Oracle, Seattle, WA— 2015-2017**

Designed and implemented a secure build platform, maintained a user authentication and authorization infrastructure, and extended a distributed work-flow system. (Python, Java, Lombok)

### **Principal Software Engineer, Vizualiz, Woodinville, WA— 2011-2015**

Designed and implemented cross platform mobile applications for asset tracking in data-centers. (Python, Scala, Java)

### **Senior Back-End Software Engineer, Lockerz, Seattle, WA— 2010-2011**

Developed (CORBA-like) cloud based services for social networking web application. (Java)

### **Senior Software Engineer, AudienceScience, Bellevue, WA— 2008-2010**

Designed real time bidding ad server to participate in ad auctions from multiple bidding platforms. (Java)

### **Senior Software Engineer, Zumobi, Seattle, WA — 2006-2008**

Developed a phone automation platform (patent application #12/327,690 ) for Windows Mobile and J2ME. Developed a client/server ad delivery system for on-line and off-line display of ads to mobile devices. (Java)

### **Senior Software Engineer, IConclude, Bellevue, WA — 2005-2006**

Integrated Data Center Automation product with VMWare Server. Developed Data Center Management Console and related modules. (Java)

### **Senior Systems Engineer, BEA Systems, Seattle, WA — 2003-2005**

Designed and implemented an Application Test Harness for a Java developer platform called "Weblogic IDE." (Java)

## **Microsoft, Redmond, WA — 1996-2002**

- **Technical Evangelist**
  - [SQL Server CE] Represented the Microsoft SQL Server CE team internationally: presenter at Microsoft Tech Ed - Australia, customer/partner focus groups - Australia/New Zealand. Customer Liaison to SQL Server CE Early Adopters Program. Developed sales force training programs, demo applications, and marketing materials.
- **Program Manager**
  - [MSN Yellow Pages] Developed and evangelized a company-wide Point of Interest (POI) and Yellow Page data service to support multiple external products similar to MapPoint/Google Maps, Encarta, and Yellow Pages.
- **Software Engineer**
  - [Visual Studio] Designed and implemented a COM/DCOM based multi machine test harness for a distributed event collection and visualization product called, "Visual Studio Analyzer."

## **PATENTS**

2008 Application #12/327,690 <https://patents.google.com/patent/US20120210306A1>

## **EDUCATION**

1994 Western Washington University Bellingham, WA

B.S. Environmental Science