

# Alex(ander) William Groleau

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## PLAY

### Seedom, Founder, 2017-Present

Seedom is a fun Ethereum decentralized application (DAPP) for raising awareness and Ether for altruistic causes while rewarding a single participant for their contribution and support. It takes the efficiency, security, and transparency of the traditional single-room raffle and re-invents it with trustlessness and crowd-sourced selection into an entirely new type of fundraiser that scales to the entire world.

- > **Chronicle** – is an in-house continuous integration suite and framework for developing Solidity DAPPs that wraps a real Parity node. The Truffle framework did not meet our agile continuous integration needs.  
⇒ Node.js, Parity, Solidity, Web3, Blockchains
- > **Infrastructure** – involved hosting our own parity nodes to not be completely reliant on INFURA for blockchain reads. I introduced docker swarm to schedule out Parity nodes, Geth nodes, and our various web services.  
⇒ Docker, Docker Swarm, Parity, YAML, Blockchains
- > **Web3 Frontend** – was developed in React and Redux for the web user experience.  
⇒ React, Redux, Web3, HTML5, CSS3, SVG, IPFS, Blockchains
- > **React Native Mobile DAPPs** – in progress work to bring Seedom to both Android & iOS  
⇒ React Native, Swift, Java, Web3
- > **Whitepaper** – describes the fundraiser, voting contract, and our method for secure deterministic crowd-sourced pseudorandom number generation on the Ethereum blockchain.  
⇒ LaTeX, Blockchains
- > **Badger** – is a service that renders live badge images for Seedom participation directly from the Ethereum blockchain for social media sharing.  
⇒ Node.js, Canvas, Web3, Blockchains

### Team Palm Tree LLC, Founder, 2013-2014

A company I started in March of 2013 with seven other members with the ultimate goal of becoming an open source solutions consulting group with efforts in entertainment and philanthropy.

- > **CloudCast** – was our first product, an open source radio automation platform based on HTML5, KnockoutJS, and Liquidsoap, which is another open-source OCaml language for audio streams.  
⇒ HTML 4-5, CSS 2-3, Knockout JS, Javascript & AJAX, Liquidsoap, OCaml, FuelPHP, PHP Storm, Apache, Ubuntu, Debian, CentOS (WHM & cPanel), Git, MySQL 5
- > **GDM Radio** – was an internet radio station I created soon after the development of CloudCast to demonstrate the platform's effectiveness. We recently finished the development of an iOS app capable of streaming this station and are now expanding this platform to allow for remote DJ streams from venues all over the world.  
⇒ HTML 4-5, CSS 2-3, Knockout JS, Javascript & AJAX, FuelPHP, PHP Storm, Apache, CentOS (WHM & cPanel), Git, MySQL 5, Web Audio API
- > **Respect the Brunch** – is a monthly charity brunch hosted by GDM Radio at various establishments throughout midtown Atlanta. A portion of the proceeds go towards the Lost-N-Found Youth organization, a nonprofit agency actively working to take homeless LGBT youth off the street.  
⇒ Speaker Systems, Car Power Inverters, Mixing Boards, Traktor, Virtual DJ

### Location Aware Integration Solutions (LAIS), Founder, 2008-2009

LAIS was a business plan project I had worked on with a fellow Georgia Tech graduate, with the hope of turning out 2007 electrical engineering senior design project into an actual point of sale company utilizing the increased availability of location aware GPS technologies in mobile devices to streamline the point of sale process. We took the idea to 17 venture capital firms, and received 17 NOs.

⇒ iOS Development, Objective-C, WCF, Windows Forms, .Net 3, Visual Studio 2003-2008, RADIUS Authentication

## WORK

### Salesforce, Pardot Product, Software Engineer & Scrum Master, 2014-Present

Salesforce is where I learned to operate on and lead teams, both technically and through agile, while working with some of the best coders in the industry. I expounded my limited knowledge of sales and marketing while introducing many exciting technologies into the Pardot toolset. It is here where I discovered what a healthy culture can bring to an organization.

- > **Engagement History** – My current team is expanding upon the event driven architecture I helped create for Engagement Studio to move additional marketing event details over to Salesforce core for better customer reporting and AI analysis.

⇒ Apache Storm, Apache Kafka, Java, PHP, Hibernate

- > **Engagement Studio** – After the successful launch of Sales Cloud Engage, I was quickly recruited by another team working on a brand-new marketing automation product, Engagement Studio. Using the same event stream created in Engage, an event driven backend that processes millions of events per day was born; this allows customers to move their leads and prospects along custom complex workflows created visually.  
⇒ Apache Storm, Apache Kafka, Java, PHP, Hibernate, Redis, Zookeeper
- > **Sales Cloud Engage** – During my first year at Salesforce, I was the tech lead and scrum master for a new distributed Node.js backend and Node.js frontend application known as Pardot LeadDeck, under the Sales Cloud Engage brand. This web & desktop application allows Pardot users to filter millions of marketing events daily visually for their accounts. This involved the development of a custom filtering language and processing backend to allow for real-time event match processing.  
⇒ Node.js, NW.js, Mac AppStore Deployment, PHP, Cassandra, Redis

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## **NCR Corporation, Solution Architect (II & III), 2011-2014**

I continued to support my Radiant developed applications while integrating them into the world of NCR systems.

- > **Radiant & NCR Hardware Division Integration, 2011-Present** – During the two-and-a-half-year integration and synergy phase of the acquisition of Radiant by NCR, I played a key role in ensuring the business practices spawned under Radiant were maintained in the more structured world of NCR. RQS and RUTest were valued at over two million dollars during this acquisition.  
⇒ Oracle Fusion Middleware, Java, Solution & Enterprise Architecture, Visual Studio 2012-2013
- > **RQS 7-8** – NCR decided to keep RQS and RUTest and adopt both of these apps company-wide. I had transitioned from my role as Test Engineer II to IT Analyst II and III in order to oversee this development effort, which involved more than thirty contractors, teams of developers in India, and hundreds of developers from global operations and services teams throughout NCR.  
⇒ .Net 3-4, C#, ASP .Net MVC 3-4, NHibernate, Entity Framework, TFS, Subversion, MSSQL, RDL (Microsoft Reporting), HTML 4-5, CSS 2-3, JavaScript & AJAX, Knockout JS, IIS 7-8, Visual Studio 2012-2013

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## **Radiant Systems, Software Engineer (I & II), 2008-2011**

I have worked and been the primary developer on many projects at Radiant, mostly focused on internal applications used by hundreds of engineering and floor employees involved with manufacturing and service operations.

- > **RUTest** – I invented the Radiant Universal hardware testing platform now used by many manufacturing and repair facilities worldwide to test Radiant, Orderman, and Quest hardware. Every hardware unit sold or refurbished at Radiant goes through this quality testing platform.  
⇒ .Net 2-4, C#, C/C++, Assembly (ARM, MIPS), MFC, Windows Forms, TFS, Subversion, Sourcesafe, Visual Studio 2005-2010, Windows Embedded, Android OS, Custom TCP/IP & UDP Protocols
- > **RQS 5-6** – I was the creator and lead developer of the Radiant Quality System (RQS), which was a growing ASP .Net MVC3 web-based internal business solution used for streamlining the shop floor processes involved in the manufacturing and refurbishment of hardware point of sale, server, and kiosk products. This suite of applications are used throughout four manufacturing and service depots around the world for receiving, quality control, inventory, and fulfillment processes.  
⇒ .Net 2-3, C#, ASP .Net, TFS, Subversion, MSSQL, RDL, HTML 4, CSS 2, IIS 6-7, Visual Studio 2005-2010, Eclipse
- > **Quest Integration** – After Radiant Systems purchased Quest Point of Sale Solutions in Australia, I was responsible for all hardware manufacturing and service refurbishment from a testing perspective. This included going to Shenzhen, China several times to prepare and set up our contract manufacturers and working with Quest developers internationally.  
⇒ .Net 2-4, C#, Custom Firmware API Usage and Enhancement, Custom Network Technology Communication, Hardware Test Design & Engineering, Visual Studio 2008-2010
- > **Field Services Engineering** – I assisted field services with test hardware and software development, such as dispositioning label software, a mass memory testing solution, and various other systems used under the umbrella of RQS to manage product quality all the way down to the resistor.  
⇒ Technologies .Net 2-4, C#, Serial & USB Communication, Visual Studio 2005-2010

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## **AtlantaLawyer.com, Web Developer, 2005-2009**

⇒ HTML 4, SEO, CSS 2, PHP 4-5, Custom Content Management System Design, Eclipse

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## **Georgia Tech Research Institute, Software Engineer, 2005-2006**

⇒ Technologies Java, HTML 4, CSS 2, Eclipse

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## **EDUCATION**

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### **Georgia Institute of Technology, 2004-2008**

Bachelor of Science in Computer Engineering and Computer Science (Double Major)