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I offer four years of experience architecting and developing scalable cloud platforms from database design and micro-service clustering to UI/UX development and continuous deployment pipelines. I have excellent project-management skills in all flavors of agile methodologies, great attention to detail, and the ability to see the overall picture from development to the business level.

Top Career Objectives:

- Create a successful product that has a positive impact on people's lives across the globe.
- Run a team of engineers as a strong leader, mentor, and architect for a rapidly growing company.
- Build a high growth and profitable company from the ground up.

Life Goals:

- Create a successful product that has a positive impact on people's lives across the globe.
- Mentor a team of young engineers to a point where they can set and achieve goals as a standalone team and more importantly to the point where each individual is setup to accomplish at least one of their top life goals.
- Do the first two goals while traveling the world and working remotely.

Qualifications - B.S. in Computer Science - University of New Hampshire.

Development

Languages

- Java
- Python
- Javascript
- Angular
- HTML
- CSS
- Less
- SQL
- C#
- C
- XML
- JSON
- Bash

SCM

- Git
- Github
- Gitlab
- Perforce
- SVN
- Accurev

Orchestration

- Maven, Maven Central
- Pip, PyPi, Eggs
- Npm
- Bower
- RequireJS

IDE and OS

- IntelliJ
- Webstorm
- Pycharm
- Eclipse
- NetBeans
- Vim and Vi
- Emacs
- Cloud9
- Visual Studio
- And more...
- Many Operating Systems

Database and Storage

- AWS RDS
- PostgreSQL
- DynamoDB
- MySQL
- MSSQL
- RethinkDB
- MongoDB
- Derby
- Redis
- Elasticache
- S3

Penetration Testing

- Kali linux tools: Wifite, driftnet, hashcat, Fern, Wireshark, urlsnarf, aircrack-ng, ettercap

Cloud Services - (Experienced Scaling services up, down, and out)

AWS Specific

- EC2
- AMI
- EBS
- Lambdas
- RDS
- DynamoDB
- Elasticache
- Elasticsearch
- SQS
- SES
- SNS
- VPC
- Security Groups
- Internet Gateway
- Load Balancer
- Route 53
- CodeDeploy
- CloudWatch
- CloudFormation
- IAM
- API Gateway

Clustered/Scaled Services

- Twemproxy and Redis
- Apache Camel
- Rest APIs
- Socket/Session driven interfaces
- Bot Network (ask me more)
- RethinkDB
- ActiveMQ - Communication and Scheduling
- Elastic BGPs as workers and consumers
- Various custom micro services

Architecture and Design - (Design with security, scale, and ease of use in mind)

Core Architecture

- RESTful services
- Micro services and modules
- Distributed systems
- Scalable background processors
- Messaging frameworks
- Pluggable Modules
- Rule-based services
- Schedulers
- Event driven frameworks and notifications
- Chat networks and interfaces
- Database schema design
- Oauth, Shibboleth, SAML
- Full stack security while retaining anonymity and FISMA compliant security.

UI Design

- Designed various user interfaces
- Website design and development
- SAAS application UI design and development
- Single page applications including analytics dashboards, internal system control dashboards, etc.
- Design and implement chat interfaces (very different from conventional UI)
- Responsive designs.

Build and Deployment- (Experience building CI and CD pipelines so teams can work smoothly)

- Maven, Gradle, Ant, Grunt, Gulp
- Nexus, Artifactory, PyPi
- Github and Gitlab webhooks and pipelines
- Jenkins, Travis CI, Cruise Control
- Utilize docker and containers for dev and prod systems including docker registries
- Apache, Nginx, and various AWS services
- Staging environments (useful for clustered tests)
- Install and manage SSL certificates
- Experience with vagrant, vSphere, and Virtual Box

Collaboration and Methodologies

Tools

- Jira and Confluence
- Trello, Waffle, and Github projects
- Slack, MS Teams, Hipchat, IRC
- Various Document collaboration tools

Methodologies

- Agile and Agile Mentoring
- Scrum and Kanban
- TDD, BDD, DDD

Experience

Trusty Ninjas Contracting - (October 2016 - Current)

Cloud Engineering Consultant/Contractor (Co-founder)

Responsibilities:

- Architect, design, and develop projects from the ground up.
- Handle security for clients starting new projects.
- Design scalability for traffic and load across all services
- Foster a learning relationship with clients and their employees to help get them started with product fast. Teach them to understand what decisions to make for future scalability and stability.
- Understand business goals to better provide product that suits the client's needs.
- Deliver process side by side with code including continuous integration and deployment and agile methodologies.

Zeal Technology - (June 2016 - Current)

Lead Software engineer (Co-founder)

Responsibilities:

- Develop, design, test, deploy, gather feedback, on product from ground up.
- Create reliable, scalable, and innovative ways to handle traffic through a custom messaging platform.
- Pitch product and company to investors and customers and investors.
- Run a beta program to gather feedback and prove market fit.
- Build road map to produce a core vision for both product and company as a whole.
- Manage product direction and backlog including maintaining agile methodologies as well as meeting rapidly changing business needs while maintaining data driven development.
- Interview and hire employees.
- Make sure that technologies being used within product are the right ones to drive the company far into the future, become massively scalable, and are reliable.
- Cultivate and be part of a thriving and passionate culture that Zeal encompasses.
- Make companies better places to work

Crescendo Content Spark: - (July 2015 - June 2016)

Software Engineer

Responsibilities:

- Work within a fast paced environment to bring a full cloud SAAS product to market within 16 weeks.
- Design and develop product from the ground up full stack using Java, Angular, Python, HTML, CSS
- Scale tables, systems, and network in the cloud keeping in mind utilization and cost respectively.
- Architect and maintain the notifications microservice and standards within the product.
- Develop live application notifications utilizing Redis caching, Redis PubSub, and AWS SES.
- Develop features that span across microservices interacting with one another in a RESTful manner.
- Boost system performance utilizing Redis as a distributed system cache and sharding across multiple redis nodes to provide robustness and high performance caching.
- Develop on and integrate social libraries including contribute back to Spring Social Open source libraries.
- Develop and gather analytics on customer data, traffic, and interaction with content to apply monetary value to content creation and drive business opportunities and revenue.
- Iterate features based on customer feedback and business driven decisions.
- Develop tooling for Redis interaction, continuous integration and deployment automation to smooth out any bumps around optimizing continuous development.
- Administer the company's Jira instance and help run Scrum.

Percussion Software: - (May 2014 - July 2015)

Software Engineer

Responsibilities:

- Architect and develop a product from the ground up creating and using good architectural standards.
- Be agile in code development and able to context switch throughout development of products.
- Understand company goals and visions and help progress products in that direction.
- Write clean, well-engineered code that conforms to accepted engineering standards and coding hygiene.
- Improve product code as needed (patch, refactor, or re-write) to improve workflows and performance.
- Utilized Shibboleth and SAML to integrate SSO into the product.
- Developed features full stack creating RESTful services on the backend and javascript and jquery on the front end.
- Work on product installer using InstallAnywhere.
- Helped bring the product from on premise to a SAAS model living in AWS.
- Helped Customer Success troubleshoot and fix customer issues by providing fixes and solutions utilizing java, SQL, javascript and JQuery.
- Developed tooling used by development and customer success teams in python.

References:

Gladly given upon request.