## Skills

| **Backend** | **Architecture** - 4 years (microservices, monorepo, RESTful API design, ADRs) **Java** - 6 years (JUnit, Spring-boot, Micronaut, Android, Tomcat, Gradle, Maven) **Javascript** - 6 years (Node, Typescript, Jest, Cucumber, Yarn)  **Python** - 2 years (locust.io, scikit-learn, pytest, pypi)  **C#** - 1 years (.Net), **C/C++** - 1 year |
| --- | --- |
| **Frontend** | **Javascript, HTML, CSS** - 3 years (React, Redux, Jquery, Jest, Angular) |
| **Data Persistence** | **SQL** - 5 years (Oracle, Postgres, MySQL, SqlServer, H2) **NoSQL** - 3 years (DynamoDB, Reddis, Mongodb) **Search** - 3 years (Elasticsearch, Lucene) **Messaging** - 4 years (SQS, Rabbitmq, Kinesis) |
| **Operational** | **Containers** - 4 years (Docker, docker-compose, Nomad, ECS, Kubernetes) **Infrastructure as code** - 3 years (Terraform, Cloudformation, SAM) **Security Testing and Hardening** - 4 years **Monitoring** - 4 years (Datadog, Sumologic, Newrelic, Cloudwatch, Splunk) **CI/CD -** 6 years (Gitflow, Jenkins, CircleCI) **0 downtime deployments** - 4 years (Feature flags, Canaried deployments) **AWS** - 4 years (S3, EC2, Lambda, Api Gateway, Cloudfront, Route53, RDS) **On Premise Datacenter** - 3 years (ansible, puppet, yolo) **Linux** - ~20 years (using it, not kernel dev. Ubuntu is current favorite distro) |
| **Personal** | Hardworking, dedicated, and results driven team player.  Love analyzing, testing, and automating systems that help other people. |

## Select Work Experience

### Site Reliability Engineer at Blue Origin (Oct 2021 - Present)

* Stabilize key developer tooling Gitlab, Artifactory through infrastructure right sizing
* Develop scheduled maintenance process with several key wins, e.g. 90%+ reduction in vulnerability remediation time while maintaining 99.99%+ uptime
* Develop targeted performance improvements for key CI pipelines, saving upwards of $2M/year
* Provide consultation daily to other engineers for engineering areas I specialize in
* ISO-27001/CMMC/FIPS compliance requirements gathering and implementation
* Project management and roadmap development

### Senior Software Engineer at Nike (Aug 2019 - Aug 2021)

##### Global Payment Team - FTE (Mar 2021 - Present)

* Design and implement several large scale, multi-region cloud payment services
* Exercise chaos engineering tests in serverless AWS environment
* Create platform for deploying services to China (aws-cn)
* Security hardening

##### Global Payment Team Lead [Contract through Randstad] (Mar 2020 - Mar 2021)

* Design and implement highly available and scalable APIs using both Java and Node.js
* Implement layered testing including unit tests, integration tests, and behavioral acceptance tests
* Build architectural blueprints for microservices
* Spearheaded safe deployments for lambda via AWS's canaried traffic shifting provided by SAM
* Provide mentorship for more junior engineers using tools like pair programming

##### Retail Services Team [Contract through Randstad] (Aug 2019 - Mar 2020)

* Implemented multi-region active-active HA strategy for critical business services
* Identified and eliminated almost $10k of unnecessary monthly operational overhead

### Software Engineer -> Tech Lead at Cox Automotive (May 2015 – Aug 2019)

##### Data Solutions (May 2017 - Aug 2019)

* Designed standardized vehicle language for use in multiple business units
* Participated in RESTful API design with direct feedback from internal consumers
* Created mono-repo microservices for data ETL using Postgres, Node.js, Docker
* Load test systems guaranteeing continued operation under extreme load (up to 20k RPS)
* Automated functional integration testing using localstack and CircleCI
* Defined and monitored key performance indicators using PagerDuty and DataDog metrics

##### Dealer.com Inventory (May 2015 - June 2017)

* Promoted into technical lead, driving technology and architectural decisions
* Designed system to migrate image hosting to AWS cloud services via S3 and EC2
* Migrated core systems to a more modern tech stack for better maintainability and performance (Spring 3 -> Spring-boot with Spring 4, Java 7 -> Java 8)
* Created internal full stack applications to ease troubleshooting issues and testing
* Collapsed 13 related services into a single deployable artifact -> less process overhead for dev

## Education

| The University of Texas at Dallas |  |
| --- | --- |

* Graduated with B.S. Computer Science in December 2015
* Areas of study include: Data Structures, Discrete Math, Algorithm Analysis, ML, AI, Network Security