Andrew Paettie

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I like to build modern infrastructure which will be helping people for decades. I am a primarily back-end software engineer who is always on the lookout for opportunities to create and use innovative technologies to create scalable and maintainable applications. Lately, I have been working day to day with Java and am also very knowledgeable in NodeJS and React JS. Check out my website!

Skills

Backend	**Architecture** - 4 years (microservices, monorepo, RESTful API design) **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, Canaries deployments) **AWS** - 4 years (S3, EC2, Lambda, Api Gateway, Cloudfront, Route53, RDS) **On Premise Datacenter** - 3 years (ansible, puppet)
Personal	Hardworking, dedicated, and results driven team player. Absolutely love analyzing and testing systems to find inefficiencies and faults.

Select Work Experience

Senior Software Engineer at Nike (Mar 2021 - Present)

- Design and implement several large scale cloud payment services
- Exercise chaos engineering tests in serverless AWS environment
- Administer modern Github enterprise instance
- Create platform for deploying services to China (aws-cn)

Senior Platform Engineer at Randstad, Nike contract (Aug 2019 - Mar 2021)

Onsite at Nike (Aug 2019 - Present)

- 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
- Built blueprints for services based on various AWS lambda implementations (e.g. micronaut)
- Spearheaded safe deployments for lambda via AWS's canaried traffic shifting provided by SAM.
- Identified and eliminated almost $10k of unnecessary monthly operational overhead
- Implemented multi-region active-active HA strategy for critical business services
- Lead initiative to start developing applications using infrastructure as code (CloudFormation)
- Review other engineers' work, including code review, test engineering and implementation
- Respond to production incidents in an on-call capacity

Software Engineer/Tech Lead at Cox Automotive (May 2015 – Aug 2019)

Data Solutions (May 2017 - Aug 2019)

- Acted as technical lead, driving technology and architectural decisions
- 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
- Created 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)
- Integrated with automated deployment tools to support continuous deployment and integration
- Installed monitoring and alerting to get increased visibility into key performance indicators using PagerDuty and NewRelic APM
- Created internal full stack applications to ease troubleshooting issues and testing

Education

The University of Texas at Dallas

Richardson, TX

- Graduated with B.S. Computer Science in December 2015
- Areas of study include: Data Structures, Discrete Math, Algorithm Analysis, Machine learning, Artificial Intelligence, Computer and Network Security