

# Akshay Karthik

SOFTWARE ENGINEER

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Software engineer with a passion for building high throughput, high performance, and fault tolerant systems

## Skills

### PROFESSIONAL SKILLS

Languages and Platforms	<b>javascript/node.js (typescript), javascript/react.js (typescript), Python, Java, Rust</b>
Tools	<b>Git, Gitlab/Gitlab CI, Teamcity</b>
Infrastructure	<b>AWS (Amazon Web Services), Terraform, Pulumi, GCP (Google Cloud Platform)</b>
Databases and Platforms	<b>Postgresql, Redis, Elasticsearch, Kafka</b>
Techniques	<b>Automated Testing, Agile Development, Continuous Integration</b>

## Experience

### Remine

PRINCIPAL SOFTWARE ARCHITECT

Fairfax, VA

Jan. 2019 - Present

### Remine

PLATFORM ENGINEERING LEAD

Fairfax, VA

Feb. 2018 - Jan. 2019

### Remine

SENIOR FULL STACK ENGINEER

Fairfax, VA

Jun. 2017 - Feb. 2018

### Gannett Digital

SOFTWARE DEVELOPER

Fairfax, VA

Sept. 2014 - Jun. 2017

- Worked in **Agile** cross functional teams, developing **APIs** that are used in USAToday mobile apps and desktop websites
- Developed applications in **Python** and **javascript (node.js)** that served:
  - 96 million monthly customers across 93 news-sites and mobile apps
  - 1.2 billion monthly page views
- Developed key infrastructure that powers *Presto*, a real time content publishing and authoring system that powers 93 newspapers across the United States
- Worked with **Solr**, **Couchbase**, and **RabbitMQ** to provide high throughput, high availability services
- Used **teamcity** to enable a **continuous integration** pipeline to reduce time to market
- Wrote **Automated Tests** to reduce bugs and prevent feature regression
- Developed a **CQRS** and **Event Sourcing** based architecture to enable an easily scalable, fault tolerant, flexible and future proof system

### Gannett Digital

SOFTWARE DEVELOPMENT INTERN

Fairfax, VA

June 2014 - August 2014

- Helped maintain existing **Python** (Django and Flask) Applications on Amazon AWS, using technologies like **Solr**, **rabbitmq**, and **Couchbase**
- Worked with Oculus rift and developed Harvest of Change, the first virtual reality news content

## Education

### Georgia Institute of Technology

M.S. IN COMPUTER SCIENCE

Concentration in Computing Systems

January 2017 - Present

