

SHASHANK SAXENA

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▶ EDUCATION

University of Illinois Urbana-Champaign

B.S. Computer Engineering May 2018

U.S. Citizen

▶ EMPLOYMENT

MongoDB · Software Engineer | New York, NY

Mar. 2021 to Current

- Architected a real-time data stream to publish metrics from the cloud fleet reducing API polling by over 95%
- Enhanced compliance with GDPR regulations for EU-based customers by regionalizing multiple Atlas services
- Integrated MongoDB with Prometheus by adding a RESTful HTTPS server for metrics collection
- Exposed operational metrics from all cloud customers to internal data science teams to get customer usage insights
- Mentored new grad engineers while iteratively improving team onboarding procedures
- Used Java, Go, AWS Kinesis, AWS S3, Python, TypeScript, React

Amazon Web Services · Software Engineer | Palo Alto, CA

Aug. 2018 to Mar. 2021

- Implemented the DynamoDB Global Tables APIs (v 2019.11.21) used by over 10% of all DynamoDB customers
- Automated process of host ingestion saving over 10+ hours of developer effort every 2 weeks
- Wrote the backend for a web app which demoed the transaction APIs on stage during AWS re:Invent 2019
- Automated manual processes resulting in a reduction in manual intervention by over 96%
- Designed a throttler in Java which mitigated manual repetition and reduced developer operational overhead

GSI · Software Engineering Intern | Champaign, IL

Nov. 2017 to May 2018

- Created internal test environment for developers that interface with GSI
- Architected an in-house distributed cluster using socket programming + I/O pins
- Used Node.js, Raspberry Pi (GPIO), Python3

Capital One · Data Engineering Intern | Champaign, IL

May 2017 to Oct. 2017

- Designed scalable architecture and database schemas for use with existing Capital One technology
- Implemented a 4-way pipeline to process big data and served content through RESTful web API
- Worked with Apache Kafka, Accumulo, Spark, and Flask

AllState · Application Developer Intern | Northbrook, IL

May 2016 to Aug. 2016

- Automated a large chunk of the processing of policy information
- Worked mostly on internal web apps (backend)
- Used C# and XML in Visual Studio along with SQL Server Management Studio with LINQ queries

Reconstruct · Software Engineering Intern | Champaign, IL

Sept. 2016 to Dec. 2016

- Worked in the initial stages of startup that dealt with visualizing construction sites
- Maintaining backend server that serves as a portal to the website
- Used Node.js, AWS S3, and GitHub

StateFarm · Software Engineering Intern | Champaign, IL

May 2015 to May 2016

- Implemented an internal Windows app to track telemarketer information
- Updated and completely reworked internal website for interns
- Used VB.NET, Microsoft's Jet Engine, and MEAN stack