Kash Goudarzi

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WORK EXPERIENCE

ServiceNow

Associate Software Engineer (Dec. 2018 - Present)
- Developed tool for the SRE team to initiate mass failover on thousands of customer instances
  - Cut mass failover initiation time by 5x
- Developed UI to track progress on mass outage failover. Used by SREs, Cloud Eng VP, and CTO
- Lead development of switching message-broker from RabbitMQ to Kafka (Java)

Software Engineer Intern (Jan. 2018 - Dec. 2018)
- Developed Spring application that represented an instance's architecture as a YAML file (Java)
- Utilized multi-threading to improve heap dump tool efficiency by 7x

Haiku Deck

Software Engineer Intern (June 2017 - Sept. 2017)
- Developed and tested image search function (Node + Redis + Mocha)
- Redesigned and developed new About and Pricing page (Jade + Stylus)

EDUCATION

University of Washington, BS - Computer Science (Class of 2019)
- Association for Computing Machinery - *Club Officer*
- Gray Hats - *Club Officer*

PROJECTS

Wesat - wesat.io | *CRM for small businesses* (Feb. 2020 - Present)
- Developed complete website in React, Go, and Node – hosted on GCP
- Built end-to-end CI/CD pipeline with Git, Cloud Build, and Cloud Run
- Custom developed support articles and blog – fully SSR capable and searchable through Algolia
- Cut spending on email marketing by 50x by creating a custom, SES-powered tool with MJML

Wesaturate - wesaturate.com | *Free RAW photo sharing* (Mar. 2017 - Feb. 2020)
- 100k registered users, 1.2M photo downloads, 80M photo views, 20k photos uploaded
- Utilized $20,000 grant from Google Cloud Platform to create infrastructure
  - Coordinated server-to-internet communication using Cloud NAT (removed need for external IPs)
  - Configured internal and external load-balancers
- Created Elasticsearch cluster within GCP to power photo search
- Featured on PetaPixel, DIYPhotography, Digital Photography Review

PATENTS

Resource And Operation Management On A Cloud Platform	Pending. Application #: 16/189,893
Systems And Methods For Acquiring Server Resources…	Pending. Application #: 16/670,630
Computational Instance Batching and Automation Orchestration…	Pending. Application #: 16/551,416

SKILLS

Web:	Node.js, React, Redux, Angular, Mocha, ES6, TypeScript, jQuery, WebSockets, MJML
Go:	Gorilla Mux, Stripe API, GCP API, Algolia API, Logrus, go-pg, JWT
GCP:	Compute Engine, Cloud Storage, Cloud Vision, Cloud SQL, Cloud DNS/CDN/LB/NAT
AWS:	S3, EC2, SES, RDS, CloudFront, CloudFormation, Route 53, ElastiCache
Databases:	PostgreSQL, MySQL, MongoDB, SQL, Redis
Other:	Python, Java, Sass, Git, Flask, Regex, Selenium, Docker, Agile