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 ask

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SUMMARY

- M.S in Computer Science (4.0 GPA) & a Modeling and Simulation certificate, UAHuntsville, 2011.
 - Published & Defended Master's thesis topic "Modeling CPU Utilization and Network Traffic in a Distributed Interactive Simulation System using Discrete Event Simulation".
 - Honored in the Graduate Dean's list and recognized with an outstanding GTA award for the College of Science.
- B.E in Computer Science & 10th rank holder at Visvesvaraya Technological University (which includes > 100 colleges), Karnataka, India, 2006.
- 15 years of professional work experience in Software Engineering through the entire Software Lifecycle.
- Contributed to open source projects like Apache Camel.

TECHNOLOGY EXPOSURE

- Scala, Akka, Play, SQL, PostgreSQL, NoSQL, MongoDB, Redis, RabbitMQ.
- Java, Python, Node.js, AspectJ, Free Marker & Velocity Templates, Apache Camel, Java mail, Spring.
- Go, Gin, Python, Big Query, Terraform.
- Javascript, HTML, CSS, Angular 2, and tools like Git, Gradle, sbt, Docker, Kubernetes, Jenkins.
- Design & building REST APIs, Software performance tuning using tools like Yourkit, VisualVM.

RECENT PROFESSIONAL EXPERIENCE

- | Calm Health | Staff Software Engineer | March 2022 till date |
|---|-------------------------|----------------------|
| <ul style="list-style-type: none">• Joined Calm as a part of acquisition of Ripple Health Group in March 2022 as Software Engineer, Architect.• Architect, lead, design, document, develop, integrate, test and maintain such software systems that<ul style="list-style-type: none">◦ Stream & process data using go channels to integrate an external system with low concurrency thresholds with an internal system with higher concurrency capacity.◦ Provides alternative login methods like login with phone number and SSO flows using Auth0.◦ Is a state machine, which controls user flow on all the client platforms.◦ Manages users eligibility and experience based on partners provided member data.• Collaborate with external non-Calm engineering teams to arrive at API designs and integrate.• Build software that uses SQL based databases like PostgreSQL with schema designs to handle large scale data with high write and read rates.• Build software using functional programming concepts of Scala in Go programming language.• Build REST based services that provide APIs for internal and external consumptions.• Use Terraform to support infrastructure hosted on Google Cloud.• Analyze and tune software & Database performance including SQL for scalability needs.• Use Docker for building containers and Kubernetes for deployment, scaling and management.• Use React/NextJS/Javascript to enhance an existing administration tool with new features• Use Python to write scripts and manage data pipelines.• Use Big Query to generate reports based on business needs.• Integrate with Datadog for tracking metrics and monitoring.• Collaborate with customers for understanding requirements & solving software problems.• Prototype and introduce technologies, frameworks, libraries into the software ecosystem. | | |

Technologies: Go, Python, Java, Scala, JVM, Javascript, Docker, Kubernetes, SQL, Postgres, NoSQL, Redis, Github Actions, Git, Google Cloud, Karate testing, Auth0

Ripple Health Group

Software Architect

April 2021 till date

- Architect, lead, design, document, develop, integrate, test and maintain software systems that
 - Provide secure messaging between the people in the care recipients healthcare team.
 - Generate recommendations using a rules engine based on policies defined by the business.
 - Store & share user entered information related to their contacts, documents, medications, vitals etc.
- Collaborate with non-Ripple Health group engineering teams to arrive at API designs and integration points.
- Build software that uses SQL based databases like PostgreSQL with schema designs to handle large scale data with high write and read rates.
- Build software using functional programming concepts of Scala in Go programming language.
- Build REST based services that provide APIs for internal and external consumptions.
- Use Terraform to support infrastructure hosted on Google Cloud.
- Analyze and tune software & Database performance including SQL for scalability needs.
- Use Docker for building containers and Kubernetes for deployment, scaling and management.
- Use JavaScript based technologies to develop the frontend application.
- Use Python to write scripts and manage data pipelines.
- Use Big Query to generate reports based on business needs.
- Collaborate with customers for understanding requirements & solving software problems.
- Prototype and introduce technologies, frameworks, libraries into the software ecosystem.

Technologies: Go, Python, Java, Scala, JVM, Javascript, Docker, Kubernetes, SQL, Postgres, NoSQL, Redis, Github Actions, Git, Google Cloud

Rally Health

Software Architect

June 2014 to April 2021

- Architect, lead, design, document, develop, integrate, test and maintain software systems that
 - Determine eligibility & authorization of users to various Rally platforms & products.
 - Integrates with SFTP, S3, and Ironbox to automate file transfer and processing.
 - Provides secure access to information about users, their benefits and configures financial aspects like rewards, donations etc.
- Collaborate with internal and non-Rally engineering teams to arrive at API designs and integration points.
- Implemented software concepts like Streaming data using technologies like Akka Streams.
- Build software that uses SQL & NoSQL based databases like PostgreSQL, MongoDB with schema designs to handle large scale data with high write and read rates.
- Build REST based services that provide APIs which handle high traffic in the order of magnitude of 20k RPM.
- Use JavaScript based technologies to develop the frontend.
- Use Go programming language to build tooling.
- Use Python programming language for scripting ad hoc requests including but not limited to for generating reports, data ETL etc.
- Integrate with open source message brokers like RabbitMQ for asynchronous processing and messaging.
- Analyze and tune software performance using tools like YourKit, VisualVM etc.
- Use Docker for building containers and Kubernetes for deployment, scaling and management.
- Prototype and introduce technologies, frameworks, libraries into the software ecosystem.
- Collaborate with customers for understanding requirements & solving software problems.

Technologies: Scala, Java, JVM, Python, Go, Akka, Play, PostgreSQL, MongoDB, Apache Camel, RabbitMQ, Docker, Kubernetes, sbt, YourKit, VisualVM, git, Javascript/AngularJS, MongoDB, Jenkins, Datadog, Splunk

PREVIOUS PROFESSIONAL EXPERIENCE

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| ● Sabre Airline Solutions | Senior Software Developer | June 2011 to June 2014 |
| ● Tavant Technologies | Senior Software Engineer | June 2006 to June 2009 |