



VARUN MEHRA

Staff Software Engineer

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PROFESSIONAL SUMMARY

Accomplished staff software engineer with 14+ years of experience in full-stack development and software architecture, specializing in AWS cloud technologies. Possessing an AWS Certified Solutions Architect certification, I have a demonstrated history of delivering scalable and secure software solutions, specifically within the Cyber Insurance industry. My passion lies in mentoring and leading teams, driving innovation, and fostering a culture of collaboration and continuous learning. Proficient at working with cross-functional teams to make strategic decisions and ensure the successful delivery of complex projects.

SKILLS

Team leadership



Software architecture



Javascript



API development



AWS



Teamcity / Jenkins



Kubernetes



Web development



Python



Angular



PostgreSQL



System design



Puppet



Docker



WORK HISTORY

Staff Software Engineer | Guidewire Software - 11/2021 - CURRENT
Chennai, India

Supply Chain / Cyence Risk Analytics / Guidewire Live

Skills: Python, Nodejs, Angular, Teamcity, Jenkins, AWS Services, Shell scripting, PostgreSQL, Puppet, Kubernetes, Helm, FastAPI, OKTA, Datadog, Docker

- Led and managed a team of 8 engineers, conducting regular one-on-ones to provide guidance, performance feedback, and career development support, fostering a productive and motivated team.
- Championed code reviews, ensuring adherence to best practices, maintaining code quality, and promoting a culture of knowledge sharing and continuous improvement.
- Oversaw quality control and release management, ensuring smooth and reliable software deployments, and meeting critical delivery timelines.
- Drove architectural decisions for a new product initiative by leading discussions and guiding the team in selecting the most

- effective technologies and frameworks for various projects.
- Collaborated with senior management, internal teams, and external partners to align on software design, development progress, and project milestones.
- Collaborated with cross-functional teams to deliver high-quality software products on schedule while aligning with business objectives and user needs.
- Managed multiple projects simultaneously, balancing priorities, allocating resources effectively, and delivering exceptional results across all initiatives.
- Participated in leadership meetings, contributing to strategic planning, aligning engineering efforts with company goals, and addressing organizational challenges.
- Mentored team members, providing technical coaching, fostering growth, and ensuring the team adhered to industry standards and best practices.
- Proactively improved system reliability and security by identifying and resolving codebase vulnerabilities to mitigate potential risks.
- Enhanced software performance by diagnosing and resolving critical bottlenecks, resulting in significant gains in application efficiency.
- Administered source code repositories, implementing and enforcing version control policies to streamline collaboration and maintain code integrity.
- Maintained comprehensive technical documentation, enabling seamless knowledge transfer and supporting onboarding for new team members.
- Created POC's for innovative solutions, driving experimentation and fostering innovation within the engineering team.

App Engineering Lead | Cyence India Pvt. Ltd. 05/2017 - 11/2021
(acquired by Guidewire Software) - Chennai, Tamil Nadu (Remote)

Cyence Risk Analytics / SMB / Core API / CyReview (Internal App)

Skills: Python, Nodejs, Angular, R, Jenkins, AWS Services, Shell scripting, PostgreSQL, Puppet

- Developed clean, maintainable, and well-tested code for various product lines within the Cyence Cyber Risk Analytics platform, ensuring high-quality deliverables.
- Collaborated with the OPS team on Project Sandman to identify infrastructure cost-saving measures, achieving a 70% reduction in EC2 costs (~\$200k saved annually) and consolidating App/QA Redshift clusters, which resulted in an additional \$42k savings over 12 months.
- Re-architected the Cyence Risk Analytics application using AWS Well-Architected Framework best practices, significantly enhancing web security and application resilience.
- Designed and implemented a metadata-driven test framework leveraging Mocha, enabling controlled and scalable test execution across multiple environments.
- Partnered with stakeholders to conceptualize, design, and implement new application features that aligned with business goals and user needs.
- Supported product releases by collaborating closely with OPS and QA teams, ensuring seamless deployments and reliable application performance.
- Managed sprint ceremonies (sprint planning, daily stand-ups,

retrospectives, and reviews) and PI planning meetings, providing estimates, aligning priorities, and offering leadership a clear view of project progress.

- Delivered product presentations to leadership, showcasing progress, milestone achievements, and aligning team efforts with organizational objectives.
- Served as the Security Champion for the product, proactively addressing vulnerabilities and maintaining a secure codebase.
- Estimated project requirements, planned milestones, and ensured timely delivery of key project components.
- Leveraged peer code reviews to enhance collaboration, improve debugging efficiency, and ensure adherence to coding standards.
- Demonstrated strong technical expertise and problem-solving skills, driving performance optimization, recommending continuous improvements, and contributing to product innovation.

Senior Programmer Analyst | Cyence India
Private Limited - Chennai, India

05/2015 - 05/2017

Data Engineering - Data collection, curation, analysis and transformation

Skills: Python, Java, MongoDB, Web Scrapping, Scrappy, PostgreSQL, Data Aggregation and Analysis, ML, Jenkins, AWS, Shell scripting

- Performed large-scale data collection from various proprietary, open sources and third party API's.
- Owned scripts to collect data from more than 14 data sources in production and few data sources in exploration.
- Automated pipelines to scrap data as per cron schedule ensuring pipeline stability and sorting out challenges arising due to ever changing source of data.
- Contributed to internal activities for overall process improvements, efficiencies and innovation.
- Addressed ad-hoc analytics requests and facilitated data acquisitions to support internal projects, exploratory data analysis for model updates.
- Collaborated with cross-teams to communicate and align development efforts and deliverables.
- Developed Automated meta data driven Powerpoint generation script to help customers build with custom report needs.
- Single page PPT Health Check reports got popular among lot of customers and have turned out as separate revenue stream

Senior Software Engineer | Lister Technologies
Pvt. Ltd. - Chennai, Tamil Nadu

05/2013 - 03/2015

Yarc Data

URIKA: Graph Analytics Manager (GAM)

An intuitive, easy-to-use administrator tool to manage security (authentication, authorization and access controls), monitoring, timelining and auditing.

Skills: Spring, Hibernate, PostGres, RESTful Web services (Jersey), TestNG, JSTL, JSP, Ldap, logstash

- Form based authentication for CLI's
- Implemented User Role Management and wrote shell scripts to migrate existing users to appropriate roles.

- Designed and implemented Email Notification framework for reporting error from SOAK tests using Elasticsearch, Logstash and Spring Mail.
- Designed and implemented REST resources access controls at multiple levels (per user role and database level)
- RESTful API's using Jersey and documentation using Swagger.
- Customized and used cystoscape.js and d3.js to render graphs for queried SPARQL results

1A Auto (www.1aauto.com)

Skills: Spring, Hibernate, PostGRES, RESTful Web services(Jersey), AJAX, HTML, CSS, Broadleaf E-Commerce, SOLR search, Thymeleaf

- Worked on Login, Register, User Account, Installation Videos page, Featured Parts and Product detail pages for website
- Implemented Product Search and Video Search Functionality Using Apache Solr
- Integrated StrongView for Newsletter Subscription.

CommerceHub (www.commercehub.com)

- Developed User Interface for application based on design specifications
- UI integration with backend services.

Senior Systems Engineer | Infosys Limited - 02/2012 - 05/2013
Chennai, Tamil Nadu

Comcast

Internet Service Provisioning Platform (ISPP)

Middleware to cater Mailing services to Comcast users.

Skills: J2ee, Spring, Hibernate, MySQL, JMS, Web services, JUnit, Jboss, Activemq

- Implemented Welcome Mail functionality using Spring Mail
- Implement Post Processor module, responsible for asynchronous notification to downstream systems using Active MQ as queueing technology
- Developed standalone routing application to route traffic to new platform based on client characteristics.
- Designed and developed Delete Batch Scheduler to remove deleted or expired periodically.

Systems Engineer | Infosys Technologies Pvt. Ltd - 10/2010 - 01/2012
Chennai, Tamil Nadu

Warner Music Group

Direct to Consumers [WMGD2C]

Developed websites for music artists under record labels like Atlantic Records, Warner Bros. Records, Warner Music Nashville.

Skills: Drupal, Drupal Gardens, PHP, CSS, HTML, Javascript, JQuery

- Developed 15+ websites using Drupal 6.0 (PHP) and Drupal Gardens
- Migrated websites from Drupal 6.0 to Drupal Gardens.

EDUCATION

Medi-Caps Institute of Technology & Management, Indore 05/2006 - 06/2010

Bachelor of Engineering (Hons.): Computer Science And Engineering

CERTIFICATIONS

AWS Certified Solutions Architect

12/2023

Certified Scrum Product Owner	02/2023
Product-Led Certification from Pendo	12/2022
AWS Certified Cloud Practitioner	12/2022
Oracle Certified Java Professional	
MongoDB Certification for Java	