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| |  | | --- | | Venkat Ramshesh ([LinkedIn](https://www.linkedin.com/in/venkat-ramshesh-29178848/))  **Work History**  Field Engineer, **05/2022 - present**  United States Citizenship and Immigration Services (USCIS)   * Installation and support for laptops, workstations, printers, and AV equipment of USCIS staff, students, classroom, and offices ensuring minimal downtime * Troubleshooting computer, printers, scanners, and network issues * Regular system software updates, hardware fixes, vulnerability fixes, imaging of computers, maintenance of system servers and switches, UPS, VPN/remote worker support * Addressing tickets, customer issues in a timely manner, inventory management, AD updates, PowerShell for active directory reports. **CompTIA A+** certified * Highly positive feedbacks regarding customer support and troubleshooting * **AWS Community Builder**, Certified in AWS Solutions Architect Associate and Certified Cloud Practitioner. AWS Serverless learning badge. Written several technology based blogs and implemented projects in my free time for:   **Automation/Devops**: **CI/CD, Jenkins, GIT hub, Ansible, Elastic beanstalk** for raffle webpage, GitHub automation for personal webpage, URL shortener, news API, Docker for HTTP server, **CloudFormation templates for infrastructure as code**, Python boto3 for creating S3 buckets, Systems Manager  **Networking**: VPC, Subnets, NAT, IGW, Egress gateway, Workspaces, VLANS, routers, switches, TOR router  **Highly available and scalable architecture**: Conference raffle webpage using CloudFormation, Application Load Balancer and Autoscaling  **Instances**: Blog page on EC2 instance (<http://44.207.232.191:8000/>), RDS instances for database, Jump box  **Machine Learning:** Transcribe, Rekognition. Guard duty, Sagemaker  **Serverless/Event Driven**: API’s, Lambda function, Dynamo DB tables, SNS, SQS, SAM, Transcribing  **Storage**: S3 for static website (<https://vramsheshpersonalblog.com)>, EFS, EBS and file transfer family  **Databases**: SQL and NoSQL databases  **Security/Delivery**: Encryption, SSL certificates for website, Presigned URL, site-site and client VPN, CDN, Secrets Manager, IAM, Organizations, Cognito, Kali Linux  **Migration/upkeep**: Server and database migration  **Query**: Athena   * **Python**, HTML/CSS (front-end), and Flask (back-end) programming during personal time. (Code for few projects: <https://github.com/kris1878/pythonprojects>) Implemented projects:   **HTML/CSS**: Personal website (<https://vramsheshpersonalblog.com)>  **Serverless:** S3 photos, video transcribing  **Flask/API**: Personal blog, Café shops, Calorie tracker, Stock news, Spotify songs list, URL shortener, serverless chat app  **Games**: Pong, snake, turtle race, quizzlet  **Security**: SSL certificate tracker, packet sniffer, password generator  **Lifestyle**: Pomodoro, rain alert, birthday wisher  **Graphing**: Stock graphing project using matplotlib, web scraping  **Machine Learning:** Housing data, financial data  Used libraries like Flask, Requests, Pandas, Matplotlib, Plotly, Numpy, Boto3, Beautiful soup, Turicreate, TensorFlow and Turtle for these projects.   * Currently studying for AWS Professional Certification, Machine Learning/ AI Specialization on Coursera, **CompTIA Sec +**   Field Engineer II, **11/2020 - 05/2021**  Cytek Biosciences   * Installation and support for **Aurora flow cytometer** in Philly/NJ area in a timely manner * Regular system preventative and update visits * Identified major system issues that could arise and provided solutions for these problems * Adjusting parts stock, generating install and PM reports * Updating manuals, technical documentation   Field Engineer II, **04/2020 - 11/2020**  Cytiva   * Installation and support for **OMX super resolution microscopes** (OMX V3, V4, SR, SR plus and FLEX models) in North America, Asia, and Europe in a timely manner * Troubleshooting and fixing system issues on-site and remotely * Minimizing average downtimes ~1 week * Yearly preventive maintenance (PM) and hardware/software updates * Updating manuals, technical documentation * Adjusting parts stock, generating install and PM reports, quotations   Field Engineer I, **01/2015 - 03/2020**  GE Healthcare Lifesciences   * Installation and support for **GE OMX super resolution** (OMX V3, V4, SR and SR plus models) and Delta Vision microscopes in North America, Asia and Europe * Trained users on image analysis software * Troubleshooting and fixing system issues on-site and remotely * Yearly PM and hardware/software updates * Customer support and training of end users both remotely and on site, updating manuals * Hired and supervised subcontractors to improve production and meet critical deadlines. * Interacted effectively with site engineering team and field staff to coordinate work that complied with design and installation documents   Research Instructor/Facility Manager, **07/2011 - 12/2014**  Medical University of South Carolina   * Provide bioengineering and managerial support for the successful day to day working of the **Advanced Imaging Core** which include eight confocal, multiphoton & fluorescence microscopes and image processing workstations * Instruct users on microscopy/imaging usage and projects, consult on projects involving use of light microscopy techniques within and outside the university * Consulted users on image analysis and processing. * Organizer and instructor for the 2014 Fifth and 2012 Fourth Charleston Light Microscopy Workshop for the Biosciences * Assisted in successful NIH grant application as part of Cell and Molecular Imaging resource * Expanded the core instrumentation from two to eight microscopes during my tenure. * Led facility management staff and consultants in producing business plan that focused on facility operations   Bioengineer/Facility Manager, **12/2007 - 06/2011**  Medical University of South Carolina   * Provide bioengineering and managerial support for the successful day to day working of the center for **cell death, injury, and regeneration (CCDIR) and cell and molecular imaging resources** * Organized and instructed for the 2010 Third and 2008 Second Charleston Light Microscopy Workshop for the Biosciences * Assisted in successful NCI and NIH grant application from Hollings Cancer Center as part of Cell and Molecular Imaging resource. | |  | | |  |  | | --- | --- | |  | 267-858-8955 | |  | venkatramshesh@yahoo.com |   v vramsheshpersonalblog.com  **Professional Summary**  Motivated, collaborative biomedical engineer skilled in IT, cloud, python programming, security, devops and ML. Effective engineer offering excellent skills in technology, research, installation, training, and testing of systems. Forward-thinking, problem-solving professional offering years of experience working in fast-paced environments. Organized and dependable candidate successful at managing multiple priorities with a positive attitude  **CERtifications & MEMberships**   * AWS Certified Solutions Architect Associate, September 2022 CVBPEGQCRJE4Q1S0      * AWS cloud practitioner, June 2022   KCZ7CJ8JFEB4Q0KH  AWS Certified Cloud Practitioner   * AWS Community Builder, March 2023      * AWS Serverless learning plan badge, March 2023      * CompTIA A+, March 2023   COMP001022210326     * Programming for Everybody (Getting Started with Python) XCZBAVAEH675 * Cisco Certified Network Associate, May 2000   **Programming Skills**    Python, Matlab, C, Image J, HTML/CSS  Versed in Windows and Linux OS  **Education**  Ph.D., Biomedical Engineering, 2008  University of North Carolina **- Chapel Hill**  M.S, Biomedical Engineering, 2002  University of North Carolina **- Chapel Hill**  B.E, Instrumentation Engineering, 1999  Mumbai University/University of Mumbai  **PROFFESIONAL ACTIVITIES**   * Reviewer for Journal of Biomedical Optics, Methods and Microscopy & Microanalysis * Intravital Imaging Symposium at NIH, Bethesda, May 2011 * 2009 Workshop on FRET Microscopy, University of Virginia, Charlottesville * Analytical and Quantitative Light Microscopy Course 2006, Marine Biological Laboratory, Woods Hole, Massachusetts   **EXTRACURRICULAR ACTIVITIES**   * Member of UNC squash team * Recreational salsa dancer and tennis player   **SELECTED PUBLICATIONS**  **Ramshesh VK**, Lemasters JJ. Pinhole shifting lifetime imaging microscopy (PSLIM). Journal of Biomedical Optics, 13 (6):064001, Nov-Dec 2008  **Ramshesh VK**, Knisley SB. Use of light absorbers to alter optical interrogation with epi-illumination and transillumination in 3-d cardiac models. Journal of Biomedical Optics 2006; 11  **Ramshesh VK**, Knisley SB. Spatial localization of cardiac optical mapping with multiphoton excitation. Journal of Biomedical Optics 2003; 8:253-259 |