Prajit Kumar Das

Leader, Software Engineering

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Software Engineering Leader, seeking Senior Leadership roles. With over seventeen years of experience working on large and complex software systems. Ability to lead with emotional intelligence, capable of hiring, mentoring, motivating and team building for developing software products. Achievement-oriented, adaptable and organizationally aware manager, passionate about delivering products with significant customer impact.

SKILLS

Management – Product Management, Agile Software Development, Hiring and Mentoring Software Developers, Technical Product Managers and Technical Product Owners, Collaboration across Cross-functional Teams.

Domain – SAML 2.0, Single Sign-On, Multi-Factor Authentication, Duo Two-Factor Authentication, Role-based Access Control, Attribute-based Access Control, Authentication, Authorization and Auditing, Identity and Access Management, Cybersecurity, Mobile Privacy and Security

Cloud – AWS EC2, AWS Lambda, AWS S3, AWS EBS, Datadog (for observability)

Platforms and tools – Linux, Android, proprietary automation platforms, IntelliJ Suite, VSCode, Git

Languages – Java, Python, Go, Unix Shell

Full-stack – MySQL, MariaDB, NoSQL, ReactJS, CSS, PHP, Bootstrap, HTML5

WORK EXPERIENCE

Leader, Software Engineering @ Cisco Systems Inc., USA   Oct 2021 – Present

- I lead a team of twenty+ Software Developers, Technical Leads and Technical Product Owners in Cisco's Security Business Group. I hired and built about two-third of this team to date.

- As a Leader @ Cisco, I have worked on several features and impacted a lot of diverse product areas:

  o Building Security: Implemented SAML SSO for Firewall Management Center and led the subsequent domain support for SSO user functionality. Led the development of OAuth2 based product auth workflow. I helped design, develop and deploy security solutions that will allow our customers to perform NetOps and SecOps with ease, at low OpEx and with assurance of security and compliance. Built product Serviceability improvements and Observability enhancements for better tracking of issues in SaaS environments. Delivered containerized Security Solutions for low end devices supporting MSSP customers and serving small to medium sized enterpises.

  o Compliance: Led FedRamp certification activities, collaborated and coordinated Cisco Product Security Baseline compliance activities, fixed CVEs reported by the Product Security Incident Report team that resulted in generation of several million dollars in contract approvals from Cisco's partners. I also lead our g11n internationalization and accessibility implementation and testing with several cross-functional teams to increase Cisco products' accessibility and outreach.

  o AI and Automation: Deployment and integration of an AI Agent using Large Language Models for handling network security, User Identity for AI agent users, Building the data pipelines for the RAG models, Product automation quality tracking and improvements.

  o Infrastructure and Operations: Device Telemetry, Jenkins CI management, Onboarding on-prem solutions to cloud, Data queue optimization.

o   Auditing and Reporting: Product Licensing usage auditing, User activity tracking.

Technical Product Manager @ Cisco Systems Inc., USA   Jan 2019 – Sep 2021
- Led the design, development and testing of the key feature of Single Sign-on using SAML 2.0 and increased adoption of the FMC product by 25%.
- Led the development of Native multi-factor authentication solutions.
- Helped bring in $11 million in revenue by delivering high-priority customer requests in a timely manner.

Software Engineer @ Cisco Systems Inc., USA   Sep 2017 – Dec 2018
- Worked on designing, developing and testing software for Cisco's security product portfolio.

Cybersecurity Researcher @ UMBC Ebiquity Research Group, USA   Aug 2012 – Aug 2017
- Invented a context-dependent access control methodology for Android using Semantic Web technologies.
- Created a custom Android operating system that could be deployed on a mobile device to perform context-dependent access control.

Mobile Privacy Researcher @ Samsung Research America, USA   Summer 2014
- Created access control systems protecting users' data privacy through obfuscated data.

Ph.D. Intern @ Apple Inc., USA   Summer 2013
- Using data analytics identified areas of accuracy improvement for Apple's Siri.

Intern @ Symantec Corp., USA   Summer 2011, 2012
- Developed web solutions for automated testing of Symantec products.

Teaching Assistant @ University of Maryland, Baltimore County, USA   Aug 2010 – May 2012
- Assisted professors with managing the course load, held network security vulnerability discovery labs, graded student papers and proctored exams.

Software Engineer @ Tata Consultancy Services   Sep 2007 – Apr 2010
- Developed API clients and carried out ETL operations using PL/SQL.

EDUCATION

Doctorate in Computer Science, University of Maryland, Baltimore County, USA   2010 – 2017

Bachelor's in Information Technology, Jadavpur University, India   2003 − 2007