

Apramey Bhat

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Summary

A master's student at Aalto University and Eurecom with a focus on cyber security and cloud computing, coupled with 4+ years of experience as a software engineer in product companies.

Keywords from my [LinkedIn recommendations](#) describe me as: soft-spoken, humble, blends with the team, takes ownership, dedicated, committed, quick learner, go an extra mile to close tasks, logical reasoner, go-to person ...

Education

- Sept 2023 – Present **Eurecom**, Sophia Antipolis, France
Master's Program in Digital Security – Exchange semester of SECCLO (Erasmus Mundus Joint Master's Degree)
Courses: System and Network Security, Distributed Systems and Cloud Computing, Mobile Systems and Smartphone Security, Security and Privacy for Big Data and Cloud, Introduction to Management
- Aug 2022 - Sept 2023 **Aalto University**, Espoo, Finland
Master's Program in Security and Cloud Computing – SECCLO (Grade: 4.78/5) [\[Transcript\]](#)
Courses: Information Security, Cloud Software & Systems, Cryptography, Machine Learning, Network Security, Digital Ethics, Malware Analysis and Reverse Engineering
- 2014 – 2018 **SDM College of Engineering and Technology**, Dharwad, India.
Bachelor of Engineering in Computer Science (Grade: 9.03/10) [\[Transcript\]](#)

Professional Experience

- Jan 2023 – July 2023 (on study leave) **Cloud Developer, F-Secure**
Research and Protection Platform, Helsinki, Finland
- Responsible for developing URL Protection; a highly scalable API expected to handle approx. **10 billion** monthly requests
 - Developed Authentication and Authorization layer for the system with F-Secure's inhouse IDP – **Doorman** and AWS Cognito
 - Proficiently used AWS CDK to construct **20+** AWS Infrastructure stacks in accordance with IaC principles
 - Worked on **DevSecOps** processes, Designed and Built CI/CD pipelines with Jenkins and Bitbucket pipelines
 - **Tech Stack:** Python FastAPI, AWS Cloud Services, Akamai CDN, Jenkins, Bitbucket pipelines, OAuth 2.0, Grafana
- Sep 2022 - Oct 2022 (Part time) **Teaching Assistant, Aalto University**
School of Science, Espoo, Finland
- Responsible for assisting students with their assignments for the course CS-C3130 – Information Security
 - **Assignments:** Access Control, SQL Injection, Password Cracking, Web Insecurity, Buffer Overrun, XSS
- Dec 2020 - Aug 2022 (Full time) **Senior Software Engineer, First American Financial Corporation**
Business Technology Solutions Team, Bengaluru, India
- Responsible for architecting and developing solutions for a data reconciliation project involving inhouse product integrations
 - Developed a generic authentication/authorization layer with Azure Active Directory, OAuth 2.0 and JWT
 - Designed and developed a suite of **50+** REST APIs and services with serverless and microservices architecture
 - The data reconciliation project saved around **\$22M** per year
 - **Tech Stack:** .Net Core, AWS Cloud Services, Angular, TIBCO EMS, OAuth 2.0
- July 2018 - Dec 2020 (Full time) **Product Engineer, INSZoom (A Mitrtech Company)**
Product Development Team, Bengaluru, India
- Part of **20+** full stack revamp projects that involved reactive frontend framework and microservices architecture; Laid the groundwork for **x10** traffic scale into the newly designed product
 - Identified and solved multiple **CWE** listed vulnerabilities found in the product
 - Integrated INSZoom with monitoring services like *Elmah* and *NewRelic*, to get the streamlined error and vulnerability reports
 - Promoted to **Core Tech Team** and was involved in various proof-of-concept projects
 - **Tech Stack:** .Net Core, .Net WebAPI, SQL, Vue.js, Vuex, Webpack, RabbitMQ, Bootstrap, Elastic Search, AWS S3, Azure
- Feb 2018 - May 2018 (Part time) **Product Engineer - Intern, INSZoom (A Mitrtech Company)**
Product Development Team, Bengaluru, India
- **Tech Stack:** ASP.Net MVC, SQL, .Net WebAPI, JavaScript, JQuery, Azure

Relevant Skills

Frameworks	Python FastAPI, .Net Core, .Net Web API, Node.js, Flask, Vue.js, React, Angular, Bootstrap, Tailwind CSS, xUnit, Caffe
Database	Microsoft SQL Server, PostgreSQL, MongoDB, DynamoDB
Tools & Lib.	Github, Git, Docker, k6, Grafana, Ghidra, Dapper, Moq, Axios, TIBCO EMS, RabbitMQ, OpenCV
Cloud	AWS Cloud Solutions (VPC, Cognito, EC2, S3, SNS, SQS, Lambda, RDS, Step Functions, Cloudwatch, Athena), Google Cloud Platform (ComputeEngine, Firebase, Tensorflow)
Languages	Python, C#, JavaScript, TypeScript, Java, C
IaC	AWS CDK, AWS SAM, Terraform

Extracurricular Activities & Achievements

Volunteering	<ul style="list-style-type: none">• Volunteer at Slush. Participant, and volunteer at Junction [2022]• Teaching Assistant at Google Developer Days – India [2017]• Student Facilitator for Google Applied CS Skills with Android at SDMCET [Success Story] [2017-2018]• Event coordinator and graphic designer at Insignia for a stretch of 4 years at SDMCET [2014 -2018]• Internshala Student Partner for SDMCET Dharwad [2017-2018]
Trainings & Certifications	<ul style="list-style-type: none">• Summer School organized by Aalto University & Eurecom on Malware Analysis & Reverse Engineering [May 2023]• Veracode Application Security Professional exam with 94.7%, which involved 35 courses [Transcript][Feb 2021]• Architecting on AWS, AWS Technical Essentials, AWS Cloud Practitioner Essentials [Sep 2021]
Awards	<ul style="list-style-type: none">• Top Performer Q1 2022 – First American Financial Corporation [2022]• Zoom Star – Top 3 engineers in INSZoom to get awarded by the CEO [2020]• Zoom Miles Champion (thrice) – Quarterly Award presented in INSZoom [2018-2020]• Undergraduate final year thesis project was selected as Top 3000 Startups in India by IIM Calcutta, India [2018]
Test Scores	<ul style="list-style-type: none">• TOEFL iBT – 102/120 (R:22, L:29, S:23, W:28) [Issued on: May 17, 2021]
Spoken Languages	<ul style="list-style-type: none">• English (Fluent)• Kannada, Hindi, Tulu (Native)• French (Beginner)
References <small>(Contact info available on request)</small>	<ul style="list-style-type: none">• Tero Vaalavuo (Technical Product Manager & Principal Architect, F-Secure)• Vinay Kalasannavar (Tech Lead, Mitratesh)• Anil Pujeri (Engineering Manager, SenseHawk)• Dr. Shrihari Joshi (Professor, SDMCET)