

Apramey Bhat

Summary

A master's student at Aalto University with a focus on security and cloud computing and four years of experience as a software engineer. I am looking for a new challenge in progressive, customer-focused, and industrial research-oriented firm where I can maximize my passion of technology and broaden my understanding of user-centered techniques.

Some of the keywords that are found in my [LinkedIn recommendations](#) from my past acquaintances are: soft spoken, humble, blends with team, ownership, dedication, commitment, quick learner, go an extra mile to close tasks, logical reasoning, go to person etc.

Education

Aug 2022 - Present	Aalto University , Espoo, Finland <i>Master's Program in Security and Cloud Computing – SECCLO (Erasmus Mundus Joint Master's Degree)</i>
2014 – 2018	SDM College of Engineering and Technology , Dharwad, India. <i>Bachelor of Engineering in Computer Science. (Grade: 9.03/10)</i>

Professional Experience

Sep 2022 - Oct 2022 (Part time)	Teaching Assistant, Aalto University <i>School of Science, Espoo, Finland</i> <ul style="list-style-type: none">Responsible for assisting students with the assignments for the course CS-C3130 – Information SecurityAssignments: Access Control, SQL Injection, Password Cracking, Web Insecurity, Buffer Overrun, XSS
Dec 2020 - Aug 2022 (Full time)	Senior Software Engineer, First American Financial Corporation <i>Business Technology Solutions Team, Bengaluru, India</i> <ul style="list-style-type: none">Responsible for architecting and developing solutions for a data reconciliation project involving inhouse product integrationsApplication Security:<ul style="list-style-type: none">Developed a generic authentication/authorization layer with Azure Active Directory, OAuth 2.0 and JWTResolved multiple application vulnerabilities such as Cross-site scripting XSS, External XML Entities, and SQL Injection etc.Completed Veracode Application Security Professional exam with 94.7% grade, which involved 35 courses [Transcript]Full Stack Development & Cloud Solutions:<ul style="list-style-type: none">Implemented a highly available and scalable Virtual Private Cloud environment involving AWS Step Functions, Lambda, AWS RDS, AWS SNS, API Gateway, Elastic Load Balancers abiding by pub/sub pattern and command patternDesigned and developed a suite of 50+ REST APIs and services with serverless and microservices architectureDeveloped a Rule Engine based on Rete Algorithm for on-the-go reconciliation of financial data between multiple systemsRedesigned existing APIs that bring execution data, reducing 67% of memory footprintInvolved in architecture discussions and peer code reviewsThe data reconciliation project is anticipated to save around \$22M per yearTech Stack: .Net Core, AWS Cloud Services, Angular, TIBCO EMS, OAuth 2.0
July 2018 - Dec 2020 (Full time)	Product Engineer, INSZoom (A Mitrates Company) <i>Product Development Team, Bengaluru, India</i> <ul style="list-style-type: none">Application Security:<ul style="list-style-type: none">Spearheaded a team of 4 to rewrite the user role management module which involved changes in the authorization middlewareIntegrated INSZoom with monitoring services like <i>Elmah</i> and <i>NewRelic</i>, to get the streamlined error and vulnerability reportsIdentified and solved multiple CWE listed vulnerabilities found in the productFull Stack Development & Cloud Solutions:<ul style="list-style-type: none">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 productIntroduced lossless data compression on servers, that reduced hosted file size by 73%, in turn increasing page load timeThe newly built INSZoom product increased the company revenue to \$25M and the product went global with immigration case management workflows supporting 100+ countriesPromoted to Core Tech Team where I was involved in various proof-of-concept projects, design discussions, articulating technical whitepapers and code reviewsTech 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 Mitrates Company) <i>Product Development Team, Bengaluru, India</i> <ul style="list-style-type: none">Worked on fixing vulnerabilities and bugs of various modules of the product, thereby increasing code quality and KPI of modulesTech Stack: ASP.Net MVC, SQL, .Net WebAPI, JavaScript, JQuery, Azure

Relevant Skills

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

Extracurricular Activities & Achievements

Volunteering	<ul style="list-style-type: none">• Volunteer at Slush, as well as a 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]• Graphic Designer and Co-ordinator for different contests 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">• Veracode certified Application Security Professional [Feb'21]• Architecting on AWS, AWS Technical Essentials, AWS Cloud Practitioner Essentials [Sep'21]
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]• The 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)• Finnish (Beginner)
References <small>(Contact info available on request)</small>	<ul style="list-style-type: none">• Vinay Kalasannavar (Tech Lead, Mitratesh)• Anil Puji (Engineering Manager, SenseHawk)• Dr. Shrihari Joshi (Professor, SDMCET)