Chaitanya Gupta

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Professional Experience

Amazon, Software Development Engineer 2   **07/2016 - Present**
- Worked with multiple Amazon internal teams and build consensus on improvising the Prime signup experience for customers, converging the different signup stacks being used by Prime membership teams to a single scalable signup pipeline. In US and European regions, Prime is also offered at discounted price to targeted audience such as Students, low-income groups etc. Earlier different teams had their own stack and signup pages which were migrated to a common signup pipeline. Content modelling and rendering was designed in a way that any team can easily onboard their use-cases.

- Designed and built the verification platform from scratch for verifying different audience segments signing up for discounted Prime membership. It was integrated into the signup pipeline and different flows were designed to smoothen the CX such as deferred verification workflow. Signup form and widgets for various verification mechanisms such as document-upload and email-based 2FA verification were built in plug-and-play mode so that the integration can be done easily at any of the slots/pages on Amazon retail website. I mentored the junior SDEs and worked with product team to make sure we are building an extensible and scalable platform to accommodate future business use-cases.

- Worked with the Amazon leadership on the ideation process and came up with the action plan for building a microservices architecture using RESTful Prime APIs which can be integrated in off-Amazon partner eco-system to get customers to sign up for Prime or resolve membership related risks such as no valid payment method for membership renewal in Amazon account. Designed and developed the Prime API Gateway for all client interaction and exchanges over data plane APIs. Came up with the control plane API design and how client UI should look like to facilitate any configuration/contract changes by client themselves.

- Java, Javascript, Spring, Guice

Paytm, Software Engineer   **12/2014 – 06/2016**
- Migrated the bus ticketing module of Paytm marketplace from ROR to Nodejs. It helped in scaling the bus ticketing module while saving on computational resources. Independently owned and delivered the module building it from the scratch.

- Worked on the order fulfilment module of Paytm marketplace. The module is responsible for post-payment order processing which deals with merchant acknowledging the order, assigning the shipping/courier partner and tracking the delivery of the order. In case of any return request, initiating the refund and return cycle is also tracked via this module. Implemented the business rule engine for selecting the shipping/courier partner and improved it over the time.

- Nodejs, ROR

Samsung Research Institute, Senior Software Engineer   **07/2013 – 12/2014**
- Built a deadlock manager for all the processes in Smart TVs for Orsay platform. A central process, deadlock director is designed to run in the TV to analyze and derive relationship from the deadlock manager gathering information from every individual process' deadlock detector.

- Implemented a hybrid setup where a socket connection for one or more channels per service from remote client webapp to Smart TV webapp/native app is established. Smart TV webapp is developed using HTML5 and Javascript which runs on Webkit whereas Smart TV Native Apps are in C++. Hence, to provide a homogeneous setup for serving requests originating from client side, a Nodejs sever runs on TV to handle and route the requests from client Webapp to either Smart TV Webapp or Native app. The Remote Client is built in Java using websocket and Javascript controls the interface of the webapp.

- C++, Javascript, V8 engine, Nodejs, Java

Technical Skills

Java, C, C++, C#, Nodejs, ROR, HTML5/JS/CSS. Git/SVN. MySQL/NoSQL. AWS. Docker. CMS. Ubuntu Linux.

Internships

Samsung Research Institute, Noida	Summer' 12
Ajency.in, Mumbai	Summer' 11
Aum Pranava Ashram NGO, Tamil Nadu	Summer' 10

Education

Integrated B.Tech + M.Tech (Computer Science)	CGPA – 8.64	2008 - 2013
ABV – Indian Institute of Information Technology & Management, Gwalior		
12th (Mathematics Topper)	89.4%	2008
10th	90.6%	2006

Awards and Achievements

- Alibaba Cloud Hackathon Runner Up – 2020
- Amazon Millennials Hackathon Winner – 2016 & 2017
- Amazon Alexa Hackathon Winner – 2017
- Published research paper on 'Named Entity Recognition' in International Conference on Information & Knowledge Engineering, Worldcomp 2013
- Discover Stars Winner - A CIIE IIM Ahmedabad contest to come up with a business strategy for a technology invention.